

VITALIY KOBETS**CV**

Computer Science and Software Engineering Department Computer Science, Physics and Mathematics Faculty Kherson State University (KSU) 27 Universitetska st., Kherson, Ukraine, 73003 Web: http://www.kspu.edu	Scientometric profiles: Scopus Author ID: 56006224700 Web of Science, ResearcherID: G-8659-2018 ORCID: orcid.org/0000-0002-4386-4103 Google Scholar Social Networks: LinkedIn , Research Gate
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PERSONAL DATA

Date of birth	January, 15, 1980
Phone	Mob. +38(095)188-21-41
Emails	vkobets@kse.org.ua , kobetz@ukr.net
Website	http://www.kspu.edu/About/Faculty/FPhysMathemInformatics/ChairInformatics/Staff/KobetzVN.aspx

EDUCATION

June, 2021	Full Professor
June, 2019	D.Sc. (Economics) <i>Specialty:</i> 08.00.11 – Mathematical methods, models and information technologies in economics <i>Theme:</i> Evolutionary and Experimental Modeling of Microeconomic Systems
2018-2019	doctoral studies at Khmelnytsky National University
January, 2011	Associate Professor
October, 2008	Candidate of Science (Economics) <i>Specialty:</i> 08.00.11 – Mathematical methods, models and information technologies in economics <i>Theme:</i> Economical and mathematical modeling of producer and transport systems under informative symmetry and asymmetry
January, 2004 – December, 2008	Post-graduate student, Odessa National Marine University
September, 2002 - June, 2003	Master Degree (mathematics), Kherson State University (with high honor)
September, 1995 – June 1997	Academic Liceum of KSU

WORKING EXPERIENCE

November 2019 – present time	Professor of Informatics, Software Engineering and Economic Cybernetics Department, KSU
November 2019 – present time	Expert of NAQA (National Agency for Higher Education Quality Assurance, Ukraine)
September 2020 – February 2021	Vice Rector for Academic Affairs, KSU
November, 2019 – August, 2020	Head of Education Quality Assurance Department, KSU
June, 2011 – August, 2020	Deputy head of Computer Science and Economic Cybernetics Department, KSU

June, 2011 – August, 2020	Associate Professor, Computer Science and Economic Cybernetics Department, KSU
June, 2008 – June, 2011	Associate Professor, Economic Theory Department, KSU
September, 2007 – December 2008	Senior teacher of Economics Department, KSU
August, 2002 – January, 2007	Assistant of Economics Department, KSU

PEDAGOGICAL ACTIVITY

Digital economics and finance, business process modeling, fundamentals of business and start-ups, financial econometrics, financial mathematics, digital currencies and blockchain technologies, time series forecasting models for business analytics (<https://ksuonline.kspu.edu/>).

LANGUAGE SKILLS

Ukrainian (native)
English B2 (certificate E № 015, Department of retraining and advanced training, KSU)

RESEARCH INTERESTS

Evolutionary microeconomics, industry organization, robo-advisors, business analytics, machine learning, economic mechanism design, information asymmetry, experimental economics.

MAIN PUBLICATIONS

1. Ivanov, O., Kobets, V.: Data Analysis for Predicting Stock Prices Using Financial Indicators Based on Business Reports. In: Antoniou, G., et al. Information and Communication Technologies in Education, Research, and Industrial Applications. ICTERI 2023. Communications in Computer and Information Science, vol.1980, pp. 227-239. Springer, Cham (2023). https://doi.org/10.1007/978-3-031-48325-7_17
2. Savchenko, S., Kobets, V.: Increasing Investment Portfolio Profitability with Computer Analysis Trading Strategies. In: Antoniou, G., et al. Information and Communication Technologies in Education, Research, and Industrial Applications. ICTERI 2023. Communications in Computer and Information Science, vol.1980, pp. 252-264. Springer, Cham (2023). https://doi.org/10.1007/978-3-031-48325-7_19
3. Iatsiuta, V., Kobets, V., Ivanov, O.: Creating of a General Purpose Language for the Construction of Dynamic Reports. In: Maślankowski, J., et al. PLAIS EuroSymposium on Digital Transformation 2023. Lecture Notes in Business Information Processing, vol.495, pp. 16-37. Springer, Cham (2023). https://doi.org/10.1007/978-3-031-48325-7_19
4. Kobets, V., Osypova, N.V.: Identification of factors for providing the higher education quality assurance for students. International Journal for Quality Research 17(1), 195–208 (2023). <https://doi.org/10.24874/IJQR17.01-12>
5. Kobets, V.: Evaluation of investment portfolio by application of multi-criteria decision making methods using robo-advisor. Proceedings on Engineering Sciences 4(3), 301–312 (2022). <https://doi.org/10.24874/PES04.03.008>
6. Kobets, V., Savchenko, S.: Building an Optimal Investment Portfolio with Python Machine Learning Tools. In: Anisimov, A. et al. (eds.) Proceedings of the 4th International Scientific Conference "Information Technology and Implementation", IT and I 2022, pp. 307–315. CEUR-WS 3347, Aachen University (2022). https://ceur-ws.org/Vol-3347/Short_1.pdf
7. Savchenko, S., Kobets, V.: Development of Software Architecture and Machine Learning Modules of Robo-Advisor System for Personalized Investment Portfolio Generation. In: Ermolayev, V., et al. Information and Communication Technologies in Education, Research, and Industrial Applications. ICTERI 2022. Communications in Computer and Information Science, vol.1698, pp. 153-179. Springer, Cham (2022). https://doi.org/10.1007/978-3-031-20834-8_8
8. Kobets, V., Berehovyi, O.: The Development of Investment Projects Attractiveness Assessment Software. In: Ignatenko, O., et al. Information and Communication Technologies in Education, Research, and Industrial Applications. ICTERI 2022. Communications in Computer and

- Information Science, vol.1635, pp. 52-66. Springer, Cham (2022). https://doi.org/10.1007/978-3-031-14841-5_4
9. Khrapkina, V., Kobets, V., Stratonov, V. Market Dynamics of Ensuring Financial Security and Sustainable Development of Enterprise. *Studies in Microeconomics*, 2022, 10(2), pp. 225–246. DOI: 10.1177/23210222211024382
 10. Kobets, V., Yatsenko, V., Popovych, I. Automated Forming of Insurance Premium for Different Risk Attitude Investment Portfolio Using Robo-Advisor. *Communications in Computer and Information Science*, 2022, 1635 CCIS, pp. 3–22. DOI: 10.1007/978-3-031-14841-5_1
 11. Savchenko, S., Kobets, V. Development of Robo-Advisor System for Personalized Investment and Insurance Portfolio Generation. *Communications in Computer and Information Science*, 2022, 1635 CCIS, pp. 213–228. DOI: 10.1007/978-3-031-14841-5_14
 12. Kobets, V., Savchenko, S. Using Telegram Bots for Personalized Financial Advice for Staff of Manufacturing Engineering Enterprises. *Lecture Notes in Mechanical Engineering*, 2022, pp. 561–571. DOI: 10.1007/978-3-031-06025-0_55
 13. Kobets, V., Pilshchyk, E., Mykhaylova, V. Spatial Models of Countries Economic Development under Pandemic Condition, 2021 11th International Conference on Advanced Computer Information Technologies, ACIT 2021 - Proceedings, 2021, pp. 222–225. DOI: 10.1109/ACIT52158.2021.9548592
 14. Kobets, V., Yatsenko, V., Buiak, L. Bridging Business Analysts Competence Gaps: Labor Market Needs Versus Education Standards. *Communications in Computer and Information Science*, 2021, 1308, pp. 22–45. DOI: 10.1007/978-3-030-77592-6_2
 15. Kobets, V., Yatsenko, V., Mazur, A., Zubrii, M. Data analysis of personalized investment decision making using robo-advisers. *Science and Innovation*, 2020, 16(2), pp. 80–93. DOI: 10.15407/scin16.02.087
 16. Kobets, V., Yatsenko, V. Influence of the fourth industrial revolution on divergence and convergence of economic inequality for various countries. *Neiro-Nechitki Tekhnolohii Modelyuvannya v Ekonomitsi*, 2019, 2019(8), pp. 124–146
 17. Kilinich, D., Kobets, V. Support of investors' decision making in economic experiments using software tools. *CEUR Workshop Proceedings*, 2019, 2393, pp. 277–288
 18. Snihovyi, O., Ivanov, O., Kobets, V. Implementation of Robo-Advisors Using Neural Networks for Different Risk Attitude Investment Decisions. 9th International Conference on Intelligent Systems 2018: Theory, Research and Innovation in Applications, IS 2018 - Proceedings, 2018, pp. 332–336, 8710559. DOI: 10.1109/IS.2018.8710559
 19. Kobets, V., Yatsenko, V. Influence of the fourth industrial revolution on divergence and convergence of economic inequality for various countries. *Neiro-Nechitki Tekhnolohii Modelyuvannya v Ekonomitsi*, 2019, 2019(8), pp. 124–146. DOI 10.33111/nfmte.2019.124
 20. Kobets V.M. Evolutionary modeling of microeconomic systems: [monograph]. Kherson: Ailant, 2018. 320 p.
 21. Kobets V.M. Microeconomics using information technologies: Kherson: PP Vishemirsky, 2010. - 378 p.
 22. Kobets, V. What can economic experiments discover about evolutionary effectiveness of supermarket strategies? / V. Kobets, V. Yatsenko // *Marketing and Management of Innovations*. – 2018. – № 1. – С. 152-168 (Indexed by: Web of Science)
 23. Kobets, V. Data analysis of private investment decision making using tools of Robo-advisers in long-run period / V. Kobets, V. Yatsenko, A Mazur, M Zubrii // *CEUR-WS*. – Ахен, Germany. – 2018. – Vol. 2104. – P. 144-159 (Indexed by: Scopus)
 24. Kobets, V. Neuro-fuzzy model of development forecasting and effective agrarian sector transformations of Ukraine / D. Nemchenko, V. Kobets, L. Potravka // *CEUR-WS*. – Ахен, Germany. – 2018. – Vol. 2104. – P. 84-99 (Indexed by: Scopus)
 25. Ivanov, O., Snihovyi, O., Kobets, V. Implementation of Robo-advisors tools for different risk attitude investment decisions (2018) *CEUR Workshop Proceedings*, 2104, pp. 195-206. https://ceur-ws.org/Vol-2104/paper_161.pdf

26. Kobets, V. Simulation Agent-Based Model of Heterogeneous Firms Through Software Module / V. Kobets, A. Weissblut // Communications in Computer and Information Science. – Springer, Germany. – 2018. – Vol. 826. – P. 230-254 (Indexed by: Web of Science, Scopus)
27. Kobets, V. Implementation of Stakeholders' Requirements and Innovations for ICT Curriculum Through Relevant Competences / H. Kravtsov, V. Kobets // CEUR-WS. – Ахен, Germany. – 2017. – Vol. 1844. – P. 414-427 (Indexed by: Scopus)
28. Kobets, V. Adjusting Business Processes by the Means of an Autoregressive Model Using BPMN 2.0 / V. Kobets, V. Yatsenko // CEUR-WS. – Ахен, Germany. – 2016. – Vol. 1614. – P. 518-533 (Indexed by: Scopus)
29. Kobets, V. Using an Evolutionary Algorithm to Improve Investment Strategies for Industries in an Economic System / V. Kobets, M. Poltoratskiy // CEUR-WS. – Ахен, Germany. – 2016. – Vol. 1614. – P. 485-501 (Indexed by: Scopus)
30. Kobets V.M., Yatsenko V.O. Adaptive Dynamic Mechanism for a Modified Double Electronic Auction. Actual problems of economics. - 2016. - Vol. 7. - P. 432-445 (Indexed by: Scopus)
31. Kobets V.M., Diorditsa S.G. The mechanism of evolutionary selection of firms with different social responsibility. Development Economics. - 2016 - No.1(77). - P.52-60 (Indexed by: Index Copernicus)
32. Kobets, V. Forming an Evolutionarily Stable Firm Strategy under Cournot Competition Using Social Preferences / V. Kobets, M. Poltoratskiy // Communications in Computer and Information Science. – Springer, Germany. – 2014. – Vol. 469. – P. 343-361 (Indexed by: Scopus)

SCIENTIFIC ACTIVITY

2022 – present	Member of the Permanent Specialized Academic Council D 26.006.07, specialty 08.00.11 Mathematical Methods, Models and Information Technologies in Economics, Vadym Hetman Kyiv National Economic University https://kneu.edu.ua/ua/science_kneu/scientific_council/d-26.006.07/07_vid-pro-chleniv/
2022 – present	Program committee member of EuroSymposium on Digital Transformations (Poland) http://eurosymposium.eu/
2020 – 2023	Program committee member of Journal Applied Aspects of Information Technology https://aait.opu.ua/?fetch=page&with=estaff
2020 – present	Program committee member of Journal Herald of Advanced Information Technology https://hait.op.edu.ua/index.php/journal/team
2019 – present	Program committee member of the Journal "Neuro-fuzzy modeling technologies in economics" of Kyiv National Economic University named after Vadym Hetman, ISSN 2306-3289: https://nfmte.kneu.ua/editors
2019 – present	Program committee member of Scientific Bulletin of Kherson State University. Series «Economic Sciences» KSU, ISSN: 2307-8030 http://ej.journal.kspu.edu/index.php/ej/about/editorialTeam
2018	Program committee member of “Intelligent Manufacturing Systems” track of International scientific and technical conference "MANUFACTURING 2019" (Poland): http://manufacturing.put.poznan.pl
2015-present	Program committee member of International conference «ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer» (ICTERI) http://icteri.org/
2015- present	Deputy chief editor of journal "Information Technologies in Economic Research" http://iter.kspu.edu/
2012-present	Program committee member of International Workshop «IT in economic research» http://www.icteri.org/page/workshop-iter

PROJECTS

2023-2027	Erasmus+ Program. KA2 Capacity Building in Higher Education. project "Digital University – Open Ukrainian Initiative" (DigiUni) (2023-2027) https://digiuni.kspu.edu/en
2023-2025	Erasmus+ Program. KA2 Capacity Building in Higher Education. project. Students' Personalized Learning Model, Based on the Virtual Learning Environment of

	Intellectual Tutoring “Learning with No Limits” (SMART-PL) https://www.smart-pl.live/
2020 – 2022	Academic Integrity and Quality Initiative (American Councils), GRANT_NUMBER: №SUP30020GR0215 (2020-2022) http://www.academIQ.org.ua
2015 – 2020	Project MASTIS ERASMUS+ Programme 561592-EPP-1-2015-1-FR-EPPKA2-CBHE-JP-Establishing Modern Master-level Studies in Information Systems
2016	Executor of the project "Process organization of corporate management of services in Ukraine" (state registration number 0115U001129)
2009-2010	Scientific adviser of project «Development of integrated control knowledge system of students for economic and math courses for universities of economic specialties» (state registration number 0109U006320)

TRAINING, MOBILITY AND SCHOLARSHIPS

June-September, 2024	AI Strategy Certificate from Cornell University (USA), Certificate program https://mycredentials.ecornell.cornell.edu/credential/vfaPQZIyme
August, 2024	Product IT Foundation for Education. Advanced training program for employees of higher education institutions ‘Analytics in Product IT’, 2 ECTS credits (Certificate No. 032/1208-2024).
April, 2024	Product IT Foundation for Education. Advanced training program for employees of higher education institutions ‘Management in Product IT’, 2 ECTS credits (Certificate №140/0104-2024).
2022	University of Kent 10 Week Pre-session Course in English for Academic Purposes during the academic year 2022/23 (Great Britain)
2021	Sumy State University, 12.04.2021-20.04.2021. Internship topic: "Management of an educational institution: top 5 principles of success"
2020	Higher School of Economics (HSE), COURSERA distance learning course "Personal Finance Management", https://coursera.org/verify/5NS3UJ6DXK2G
2019	Training for trainers of candidates for experts of the National Agency for Quality Assurance in Higher Education, National Agency (September 2019)
2018	Training on training experts in quality assurance of higher education, Institute of Higher Education of the National Academy of Pedagogical Sciences of Ukraine (November 2018)
2018	Міні-грант на захід RoboAdvisor на тиждень коду ЄС, ініціативи “Meet and Code” за фінансування SAP: https://codeweek.eu/view/167660/roboadvisor
2015, 2011	Kherson National Technical University, Theme of training: «Business process modeling» (2015), «Economic dynamic modeling» (2011),
2014	High School of Economics (HSE), distance course COURSERA «Industry economics», high honor certificate
2009-2010	State University of New York (SUNY), distance course MGMT 395 «International business communications»
2007-2008	Kyiv School of Economy, Consortium of economic education and research (EERC), High Educational Support Program (HESP)
2006-2007	Odessa National Polytechnic University, course of tutor for distance learning
2005-2006	National University «Kyiv-Mohyla Academy» (NAUKMA)
2002	Coimbra University (Portugal), Economic Department, Program TEMPUS-TACIS Network training “Europe–Black Sea” (M-JEP-21224-2000)
2002	Munitipal scholarship
2001-2002	Kherson State University, English courses (business communications)

Conference participation

- 11th International Conference on Monitoring, Modeling & Management of Emergent Economy (M3E2-2024), Kyiv National Economic University named after Vadym Hetman, Kyiv, Ukraine, September 10, 2024.
- 19th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI-2024), Ukrainian Catholic University, Lviv, Ukraine, September 23-27, 2024.
- ICST-2024: Information Control Systems and Technologies (ICST-2024), Odesa Polytechnic National University, Odesa, Ukraine, September 23-25, 2024.
- Computational Linguistics and Intelligent Systems (CoLInS 2024), Lviv Polytechnic National University, Lviv, Ukraine, April 12-13, 2024.
- 32nd International Conference on Information Systems Development (ISD_2024), Gdańsk/Sopot, Poland, August 26-28, 2024.
- ICT in Education, Research, and Industrial Applications (ICTERI 2023), Vasyl Stefanyk Precarpathian National University, Ivano-Frankivs'k, Ukraine, September 18-22, 2023.
- Information Control Systems and Technologies (ICST-ODESSA-2023) (ICST-2023), Odesa Polytechnic National University, Odesa, Ukraine, September 21-23, 2023.
- The 12th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2023), Dortmund University of Applied Sciences and Arts, Dortmund, Germany, September 7-9, 2023.
- Computational Linguistics and Intelligent Systems (CoLInS 2023), Lviv Polytechnic National University, Lviv, Ukraine, April 20-21, 2023.
- Information Technology and Implementation (IT&I-2022), Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, November 20-21, 2022.
- 17th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI-2021), Kherson State University, Kherson, Ukraine, September 28 - October 2, 2021.
- The 3rd International Workshop on Intelligent Information Technologies & Systems of Information Security (IntelITSIS-2022) (IntelITSIS-2022), Khmelnytskyi National University, Khmelnytskyi, Ukraine, March 23 – 25, 2022.
- 5th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2022), Sumy State University, Sumy, Ukraine, June 7-10, 2022.
- 16th International Conference on ICT in Research, Education and Industrial Applications (ICTERI-2020), V.N. Karazin Kharkiv National University, Kharkiv, Ukraine, October 6-10, 2020.
- 4th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2021), Lviv Polytechnic National University, Lviv, Ukraine, June 8-11, 2021.
- Information technology and interactions (IT&I-2020), Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, December 2-4, 2020.
- Computational & Information Technologies for Risk-Informed Systems (CITRisk-2020), Kherson National Technical University, Kherson, Ukraine, October 15-16, 2020.
- ICST-2020: Nine International Conference "Information Control Systems & Technologies" (ICST-2020), Odessa National Polytechnic University, Odessa, Ukraine, September 24-26, 2020.
- 2020 10th International Conference on Advanced Computer Information Technologies (ACIT'2020), Deggendorf, Germany, September 16-18, 2020.
- The International Conference on Sustainable Futures: Environmental, Technological, Social and Economic Matters (ICSF-2020), Kryvyi Rih National University, Kryvyi Rih, Ukraine, May 20-22, 2020.
- 3rd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2020), National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine, June 9-12, 2020.
- The 15th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI-2019), Kherson State University, Kherson, Ukraine, June 12-15, 2019.
- 2nd International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2019), Lutsk National Technical University, Lutsk, Ukraine, June 11-14, 2019.

- VI International Scientific-Technical Conference Manufacturing 2019 (MANUFACTURING 2019), University of Maribor, Slovenia, May 19-22, 2019.
- 14th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2018), Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, May 14-17, 2018.
- International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2018), Sumy State University, Sumy, Ukraine, June 12-15, 2018.
- 13th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2017), Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, May 15-18, 2017.
- 12th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2016), Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, June 21-24, 2016.
- 11th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2015), Lviv Polytechnic National University, Lviv, Ukraine, May 14-16, 2015.
- 10th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2014), Kherson State University, Kherson, Ukraine, June 19-22, 2013.
- 9th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2013), Kherson State University, Kherson, Ukraine, June 6-10, 2012.

Reviewer for journals (<https://orcid.org/0000-0002-4386-4103>):

Computers in human behavior (United Kingdom, Q1), Energies (Switzerland, Q1), Expert systems with applications (United Kingdom, Q1), Financial innovation (Germany, Q1), Heliyon (Netherlands, Q1), Journal of Open Innovation: Technology, Market, and Complexity (Switzerland, Q1), Journal of risk and financial management (Switzerland, Q2), SoftwareX (Netherlands, Q1), Sustainability (Switzerland, Q2), Systems (Switzerland, Q2), Technological forecasting and social change (United States, Q1), Technology in society (United Kingdom, Q1), Asia Pacific Management Review (Taiwan, Q1)
<https://www.scimagojr.com/>