

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **OLEKSANDR VIUNENKO**

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Nationality Ukrainian

Date of birth 29.08.1962

Gender male

Current employment / Occupational field

Associate Professor of Cybernetics and Informatics Department, faculty of Economics and Management, Sumy National Agrarian University (www.snau.edu.ua)

Work experience

Dates	09.1989 till now
Occupation or position held	University instructor (09.1989 – 03.1999); Assistant professor (04.1999 till now) at the Faculty of Economics and Management
Main activities and responsibilities	Teaching and scientific activity in the sphere of Mathematical Economics and E-learning system
Name and address of employer	Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine
Type of business or sector	Higher Educational Institution (Agricultural Sector)
Dates	01.2022 till now
Occupation or position held	General short-term training program "Digital literacy in state authorities". Code of the program ZK/2022/005.
Main activities and responsibilities	Lead teacher
Name and address of employer	Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine
Type of business or sector	Higher Educational Institution
Dates	2018-2020
Occupation or position held	Ukraine: Upgrading vocational skills in Ukraine's meat processing sector. The project is implemented by the European Bank for Reconstruction and Development and the Sumy National Agrarian University. C38398/8961/50371
Main activities and responsibilities	Site developer
Name and address of employer	Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine
Type of business or sector	Higher Educational Institution (Meat processing Sector)

Education and training

Dates	06.2021																														
Title of qualification awarded	Applied econometric analysis to solve agrarian policy problems with R																														
Principal subjects/occupational skills covered	Programming language R and RSTUDIO																														
Name and type of organisation providing education and training	Programming language and RSTUDIO: online-course IAMO & Deutschukrainischen Agrarpolitischer Dialogs (APD),																														
Level in national or international classification	Certificate of Researcher																														
Dates	06.2019 - 08.2019																														
Title of qualification awarded	Researcher of Information Systems and Technologies																														
Principal subjects/occupational skills covered	Has successfully learned the program of educational training within the training course “Computer Engineering: Information Systems and Technologies”																														
Name and type of organisation providing education and training	Wyższa Szkoła Zarządzania i Administracji w.Opolu																														
Level in national or international classification	Certificate of Researcher №054																														
Dates	06.2018 – 07.2018																														
Title of qualification awarded	Researcher of e-learning subsystem																														
Principal subjects/occupational skills covered	Distance learning																														
Name and type of organisation providing education and training	National Aviation University, Ukraine																														
Level in national or international classification	Certificate of Researcher																														
Dates	09.1990-10.1993																														
Title of qualification awarded	Candidate of Economic Sciences																														
Principal subjects/occupational skills covered	Mathematical Economics																														
Name and type of organisation providing education and training	Moscow Institute of Economics and Statistics (now Plekhanov Russian University of Economics)																														
Level in national or international classification	PhD in Economic Sciences																														
Dates	09.1980-07.1985																														
Title of qualification awarded	Automatics, Electronics and Computer Control Systems																														
Principal subjects/occupational skills covered	Automatics Control Systems																														
Name and type of organisation providing education and training	Vinnytsia Technical Institute (now Vinnytsia National Technical University), Ukraine																														
Level in national or international classification	Dipl. Ing. (University)																														
Personal skills and competences	Amateur radio																														
Mother tongue(s)	Ukrainian																														
Other language(s)	English, Russian																														
Self-assessment																															
European level (*)																															
English	<table><tr><th colspan="4">Understanding</th><th colspan="4">Speaking</th><th colspan="2">Writing</th></tr><tr><th colspan="2">Listening</th><th colspan="2">Reading</th><th colspan="2">Spoken interaction</th><th colspan="2">Spoken production</th><th colspan="2"></th></tr><tr><td>B2</td><td>Independent User</td><td>B2</td><td>Independent User</td><td>B2</td><td>Independent User</td><td>B2</td><td>Independent User</td><td>B2</td><td>Independent User</td></tr></table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User
Understanding				Speaking				Writing																							
Listening		Reading		Spoken interaction		Spoken production																									
B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User																						

Russian	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
	(*) Common European Framework of Reference for Languages (A test for confirming the English language proficiency level B2 issued by Language Center of V.N. Karazin Kharkiv National University, candidate number 2020-86)									
Social skills and competences	I can and I am used to work in the team within the framework of international scientific projects.									
Organisational skills and competences	I was responsible for the organization of various workshops, conferences and professional seminars.									
Computer skills and competences	Proficient user. Data analysis (Data Mining). Full member of the public organization "Ukrainian Scientific IT Society"									
Artistic skills and competences	I took an accordion class at the music school									
Driving licence	Category B (car)									
Additional information:										
Scientific Research Topic and Publications	Scientific interests – Data Mining I am the author of more than 40 publications on the modeling and data analysis of economic processes and E-learning system.									
Projects Experience:	Upgrading vocational skills in Ukraine's meat processing sector (e-learning)									
Annexes										

Annex 1

SELECTED ACADEMIC ARTICLES:

1. O. Zhmud, N. Dehtiarova, O. Viunenko, V. Hryhorenko, I. Lantukh and O. Didkivskyi, "Development of Responsible Attitudes Towards AI-Generated Results Among Future Computer Science Teachers," 2025 MIPRO 48th ICT and Electronics Convention, Opatija, Croatia, 2025, pp. 396-400, DOI: 10.1109/MIPRO65660.2025.11131748.
2. Rudenko Yu.O., Agadzhanova S.V., Agadzhanova-Gonzalez K.Kh., Batalova A.B., Vyunenko O.B. Analysis of interactive dashboards as a tool to support the educational process. Journal "Science and Technology" Category B Issue No. 5(46) 2025. DOI: [https://doi.org/10.52058/2786-6025-2025-5\(46\)](https://doi.org/10.52058/2786-6025-2025-5(46))
3. Intellektuelles Kapital - die Grundlage für innovative Entwicklung: Innovative Technologien, Informatik, Sicherheitssysteme, Physik und Mathematik. Monografische Reihe «Europäische Wissenschaft». Buch 38. Teil 2. 78-125 pp. 2025. ISBN 978-3-98924-083-4. DOI: 10.30890/2709-2313.2025-38-02
4. Viunenko O. Automatic analysis of text documents in distance learning systems based on deep neural network models in Sustainable Development in The Era of Digital Transformation: Challenges and Opportunities For Management / scientific ed. N. Stoyanets. - Warsaw:, RS Global, Warsaw, Poland, 2025. 160-189 pp. DOI: 10.31435/rsglobal/062
5. Viunenko O. Current trends in the use of artificial intelligence (ai) for computer-based design of garden and park objects // Spatial Relationships and Management Systems in Forest, Park, and Agricultural Complexes in The Context of Modern Challenges and Sustainable Development / scientific ed. T.I. Melnyk. - Warsaw: RS Global Sp. z O.O., 2025. 143-167 pp. DOI: <https://doi.org/10.31435/rsglobal/061-10>
6. Tereshchenko S.I, V'yunenko O.B. Methodological approaches to the implementation of cloud technologies in the process of developing and implementing an anti-crisis strategy of an enterprise during martial law No. 11(52) (2025): Science and Technology Today DOI: [https://doi.org/10.52058/2786-6025-2025-11\(52\)-587-601](https://doi.org/10.52058/2786-6025-2025-11(52)-587-601)
7. Tereshchenko S.I, V'yunenko O.B. Methodology for optimizing business processes using cloud technologies No. 8(49) (2025): Science and Technology Today. DOI: [https://doi.org/10.52058/2786-6025-2025-8\(49\)-385-400](https://doi.org/10.52058/2786-6025-2025-8(49)-385-400)
8. Pasko N., Viunenko O., Pasko S. Optimization models for selecting options for distribution of functions between operators of information processing and control systems // Intellektuelles Kapital - die Grundlage für innovative Entwicklung: Innovative Technologien, Informatik, Sicherheitssysteme, Physik und Mathematik. Monografische Reihe «Europäische Wissenschaft». Buch 38. Teil 2. 2025. 78-125pp. DOI: 10.30890/2709-2313.2025-38-02
9. Rudenko Yu.O., Agadzhanova S.V., Agadzhanov-Gonzalez K.Kh., Batalova A.B., Vyunenko O.B. Aspects of using simulation modeling in the framework of computer sciences "Science and Technology Today" (Series "Technology") 2024. No. 9(37) 2024. P. 992 DOI: [https://doi.org/10.52058/2786-6025-2024-9\(37\) P.808-817](https://doi.org/10.52058/2786-6025-2024-9(37) P.808-817)
10. Marchenko, O., Viunenko, O., & Nechai, I. (2024). Digital identification and pattern recognition capabilities using machine learning methods, navigation systems, and video surveillance. Technology Audit and Production Reserves, 1(2(75)), 6–13. <https://doi.org/10.15587/2706-5448.2024.297044>

11. Oleksandr Yu. Burov, Nadiia B. Pasko, Oleksandr B. Viunenko, Svitlana V. Agadzhanova, Karen H. Ahadzhanov-Honsales. Using intelligent agent-managers to build personal learning environments in the e-learning system. AREdu 2024: 7th International Workshop on Augmented Reality in Education, May 14, 2024, Kryvyi Rih, Ukraine. <https://ceur-ws.org/Vol-3918/>
12. S.Petrenko, N. Dehtiarova, O.Viunenko, O.Shovkoplias, K.Parfilo The formation of widget development skills in the Python programming language. 47th ICT and Electronics Convention, MIPRO 2024 pp. 283–287. DOI 10.1109/MIPRO60963.2024.10569704
13. Marchenko, O., Viunenko, O., & Nechai, I. (2024). Digital identification and pattern recognition capabilities using machine learning methods, navigation systems, and video surveillance. *Technology Audit and Production Reserves*, 1(2(75), 6–13. <https://doi.org/10.15587/2706-5448.2024.297044>
14. Tereshchenko S.I., Viunenko O.B. Development of the e-commerce market in Ukraine and the world // *International scientific journal "Internauka". Series: "Economic Sciences"*. - 2024. - No. 2. <https://doi.org/10.25313/2520-2294-2024-2-9708>
15. Viunenko O., Agadzhanov-Gonzalez K., Agadzhanova S., Rudenko Yu. Information and communication technologies of e-learning as a basis for innovations in higher education. *Education. Innovation. Practice*, 2023. Vol. 11, No. 4. P. 13-19. DOI: 10.31110/2616-650X-vol11i4-002
16. Pasko, N.B., Viunenko, O.B., Agadzhanova, S.V., Ahadzhanov-Honsales, K.H., 2022. Using Intelligent Agent-managers to Build Personal Learning Environments in the E-Learning System. *Proc. 1st Symp. Adv. Educ. Technol.* Vol. 2, 292-299. DOI:10.5220/0010931000003364.
17. Viunenko O.B., Vyhanyailo S.M. Problems of increasing the level of cybersecurity of e-learning systems. *Information Technology: Computer Science, Software Engineering and Cyber Security*. Dnipro. 2022 Issue 3. Pp. 3-10. <https://doi.org/10.32782/IT/2022-3>
18. Burov O. et al. (2021) Mental Rotation Ability and Preferences in Vocational Education. In: Russo D., Ahram T., Karwowski W., Di Bucchianico G., Taiar R. (eds) *Intelligent Human Systems Integration 2021. IHSI 2021. Advances in Intelligent Systems and Computing*, vol 1322. Springer, Cham. https://doi.org/10.1007/978-3-030-68017-6_40
19. Economic and Energy Efficiency of Forming and Using Legume-Cereal Grass Stands Depending on Fertilizers / Karbivska, U M; Kurgak, V G; Kaminskyi, V.F.; Butenko, A.O.; Davydenko, G.A.; et al. / *Ukrainian Journal of Ecology*; Melitopol Vol. 10, Iss. 2, (2020): 284-288.
20. Organizational and technical aspects of introduction of innovations of organic agriculture and rational land use of the agrarian enterprises / L.O. Boginska, A.V. Tolbatov, O.B. Viunenko, S.V. Tolbatov, V.A. Tolbatov, A.O. Butenko, G.A. Davydenko, L.V. Kriuchko / *Ukrainian Journal of Ecology*, 2019, 9(2), p. 110-118.
21. Information software providing effective activity of machine-building enterprises of ukraine in resources restrictions / Chuprina M.O, Tolbatov A.V., Viunenko O.B., Tolbatov V.A. / *Modern engineering and innovative technologies* Issue №7, Part 3, 2019 – P. 84-90.
22. Using blockchain technology for E-learning / S.V. Agadzhanova, A.V. Tolbatov, O.B. Viunenko, V.A. Tolbatov // *International scientific-technical magazine – Measuring and computing devices in technological processes*. Hmelnytskyi. – 2018. – №1 – P.110-113.
23. Analysis of information technologies and modern software for reengineering business processes of marketing activities of manufacturing companies / Vyunenko O.B., Agadzhanova S.V., Tolbatov A.V., Agadzhanov-Gonzalez K.H. // *Reengineering of business processes of the marketing sphere of industrial enterprises: a monograph / by General ed. dr. economy Sciences, Prof. L.M. Taraniuka*- Sumy: SNAU Publisher, 2018. – 76-85 p.
24. Using cloud technologies based on intelligent agent-managers to build personal academic environments in E-learning system / Agadzhanova, S., Tolbatov, A., Viunenko, O., Tolbatova, O. / 2017 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 – Proceedings – Lviv, 2017. – P. 92–96.
25. Theoretical bases, methods and technologies of development of the professional activity analytical estimation intellectual systems / Zaritskry, O., Pavlenko, P., Sudic, V., Tolbatov, A., Tolbatova, O., Tolbatov, V., Viunenko, O. / 2017 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 – Proceedings – Lviv, 2017. – P. 101–104.
26. Information technologies in the educational process as the basis of modern distance learning / Agadzhanova, S., Viunenko, O., Tolbatov, A., Vyganyaylo, S., Tolbatov, V., Tolbatov, S. / 2016 Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 – Lviv-Slavske, 2016. – P. 718–720.
27. Virtual cognitive centers as intelligent IT systems for monitoring and evaluating the work of regional agro-industrial complexes / Agadzhanova C.V., Tolbatov A.V., Viunenko O.B., Tolbatov V.A., Tolbatov S.V. // *Measuring and computing equipment in technological processes*. – Khmelnytskyi, 2015. – No. 2(51). – P. 112–116.
28. Construction of systems of monitoring, analysis and assessment of decision-making at the regional level for situational centers of the agricultural sector / S.V. Agadzhanova, O.B. Viunenko, A.V. Tolbatov, V.A. Tolbatov, O.B. Shandyba, S.V. Tolbatov // *Measuring and computing equipment in technological processes*. – Khmelnytskyi, 2015.– No. 4 – P.194–201.

Projects 1. Grant: "Improving Professional Skills in the Meat Processing Industry of Ukraine" (2018-2020. World Food Organization and European Bank for Reconstruction and Development). <http://ebr.snaeu.edu.ua/en/>

Experience: 2. Preparation of a grant application (Erasmus+ program): Rudenko Yu.O., Vyunenko O.B., Agadzhanova S.V., Agadzhanova-Gonzalez K.H. ERASMUS-JMO-2023-HEI-TCH-RSCH Project topic: "Media Literacy and Information Hygiene: Implementation of European Studies Experience at the University of Natural Sciences of Ukraine". 2022

Additional information: Member of the editorial board of the International scientific peer-reviewed «*ScientificWorldJournal*» <https://www.sworldjournal.com/index.php/swj>
 Expert in accreditation of educational programs of the National Agency for Quality Assurance in Higher Education. (2023)
 International internship at Henan Institute of Computer Technologies, People's Republic of China (2025)