



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **NADIIA PASKO**
E-mail nbpasko@gmail.com
Gender Female

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

General scientific and pedagogical work experience 27 years and 9 months (27 years - experience of work at SNAU)
Occupation or position held Assistant professor at the Department of Cybernetics and Informatics at the Faculty of Economics and Management of the Sumy National Agrarian University
Main activities and responsibilities Teaching and scientific activity in the sphere of Modelling of Human-Machine Interaction and Information Technologies, Computer Science.
Member of the Methodical Council of the Faculty of Economics and Management of SNAU, responsible for the methodological work of the Department of Cybernetics and Informatics of SNAU.
Name and address of employer Sumy National Agrarian University, 160 H. Kondratiieva Str., Sumy, 40000, Ukraine
Type of business or sector Academic, Agriculture

Education and training

Dates 09.1970 - 06.1975
Title of qualification awarded Mathematician
Principal subjects/occupational skills covered Applied Mathematics
Name and type of organisation providing education and training Kharkiv State University, Ukraine
Level in national or international classification Dipl. mathematics (University)
Dates 06.2016
Title of qualification awarded Candidate of Technical Sciences
Principal subjects/occupational skills covered Ergonomics
Name and type of organisation providing education and training O. M. Beketov National University of Urban Economy in Kharkiv, Kharkiv, Ukraine
Level in national or international classification PhD in Technical Sciences
Dates 2023

Title of qualification awarded	Information Technology																																								
Principal subjects /occupational skills covered	Distance learning																																								
Name and type of organisation providing education and training	Sumy State Pedagogical University, Ukraine																																								
Level in national or international classification	Certificate of Researcher																																								
Personal skills and competences	Purposeful, sociable, good organizer, disciplined																																								
Mother tongue(s)	Ukrainian																																								
Other language(s)	Russian, English																																								
Self-assessment																																									
<i>European level (*)</i>																																									
English																																									
Russian																																									
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	<p>(*) Common European Framework of Reference for Languages (A test for confirming the English language proficiency level B2 certificate dated 18.06.2019 issued by Universal Test, candidate number 000531507)</p>																																								
Social skills and competencies	I can to work in the team within the framework of international and national scientific projects																																								
Organisational skills and competences	Member of the Methodical Council of the Faculty of Economics and Management of SNAU, responsible for the methodological work of the Department of Cybernetics and Informatics of SNAU. Responsible for the organization of various seminars, conferences and professional seminars, student research papers competition.																																								
Computer skills and competences	Proficient user, programmer. I have 2 copyrights for the software complexes: Copyright certificate № 45262 dated 21.08.2012; Copyright certificate No. 3281 dated 17.02.2017.																																								
Artistic skills and competences	-																																								
Driving licence	-																																								
Additional information:																																									
Scientific Research Topic and Publications	Scientific interests - Modelling of Human-Machine Interaction and Information Technologies, e-learning problems. I am the author of 96 publications. 30 publications are indexed in Scopus base. A wide range of scientific publications in English, Russian and Ukrainian languages concerning with modelling, evaluation and optimization of algorithms of human- operator activity of automated systems, e-learning, information systems and technologies.																																								
Projects Experience:	In 2016-2020, I performed a research work on the topic: "Creation of remote system for Internet monitoring of the agro-industrial complex of the region" (UkrINTEI: 0116 U 07232)). From 2021, -- the leading executor of research work on the topic: "Development of means of information support for innovative activities in the agricultural sector of the region" (UkrINTEI: 0121U110116)																																								

Annex 1. SELECTED ACADEMIC ARTICLES:

1. Эргономика ИТ-аутсорсинга. Разработка математической модели для распределения заявок между операторами /Е.А. Лавров, Н.Б. Пасько, А.С. Криводуб, Н. Л. Барченко, В. Г. Концевич/ Восточно-европейский журнал передовых технологий. Сер. «Математика и кібернетика – прикладне аспекеты». – Харьков, 2016. – 2/4 (80). – С.32–42.
<https://repo.snau.edu.ua/bitstream/123456789/3925/2/Barchenko.pdf>

2. Development of models for the formalized description of modular e-learning systems for the problems on providing ergonomic quality of human-computer interaction / E. Lavrov, N. Pasko, N. Barchenko, I. Borozenec / Eastern-European Journal of Enterprise Technologies. Ser. "Information technology". – Kharkov, 2017. – 2/2 (86). – P. 4–13. <https://doi.org/10.15587/1729-4061.2017.97718>
3. Ergonomic Reserves for Improving Reliability of Data Processing in Distributed Banking Systems /E. Lavrov, N. Pasko, A. Tolbatov, V. Tolbatov / Proceedings of 2nd International Conference on Advanced Information and Communication Technologies-2017 (AICT-2017), Lviv, Ukraine, July 4-7, 2017.– P. 79-82. DOI: [10.1109/AIACT.2017.8020070](https://doi.org/10.1109/AIACT.2017.8020070)
4. Optimization of the Activity of Operators of Critical Systems by Methods of Regulating Operational-Tempo Tension / Evgeniy Lavrov, Nadiia Pasko, / Proceedings of the 14th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer. Volume I: Main Conference. - Kyiv, Ukraine, May 14-17, 2018. pp. 227-234.
5. Automation of Assessing the Reliability of Operator's Activities in Contact Centers that Provide Access to Information Resources / Evgeniy Lavrov, Nadiia Pasko / Proceedings of the 14th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer. Volume I: Main Conference. - Kyiv, Ukraine, May 14-17, 2018, pp. 445-448.
6. Information Technology for Distribution of Functions between Operators as a Means of Improving the Reliability of Polyergatic Systems K / E. Lavrov, N. Pasko, V. Snytyuk // 2018 Third International Conference on Human Factors in Complex Technical Systems and Environments (ERGO)s and Environments (ERGO), 4-7 July 2018, St. Petersburg, Russia, 2018, Page(s):71 – 76. <https://ieeexplore.ieee.org/document/8443832>
7. Development of Models for Computer Systems of Processing Information and Control for Tasks of Ergonomic Improvements / E. Lavrov, N. Pasko //International Conference on Information and Software Technologies, ICIST 2018, Vilnius, Lithuania, October 4-6, pp. 98-109. https://doi.org/10.1007/978-3-319-99972-2_8
8. Management for the Operators Activity in the Polyergatic System. Method of Functions Distribution on the Basis of the Reliability Model of System States / Evgeniy Lavrov, Nadiia Pasko, Valentyna Borovyk// International Scientific-Practical Conference Problems of Infocommunications. Science and Technology, PIC S& T 2018, pp.1-6. <https://ieeexplore.ieee.org/document/8632102>
9. Models for the Description of Man-Machine Interaction for the Tasks of Computer-Aided Assessment of the Reliability of Automated Systems / Lavrov, E., Pasko, N., Lavrova, O., Savina, N. // 2019 3rd International Conference on Advanced Information and Communications Technologies (AICT), Lviv, Ukraine, 2019, pp. 176–181, (2019). <https://doi.org/10.1109/AIACT.2019.8847767>.
10. Self- adjusted Data-Driven System for Prediction of Human Performance / Oleksandr Burov, Evgeniy Lavrov, Nadiia Pasko, Olena Hlazunova, Olga Lavrova, Vasyl Kyzenko, and Yana Dolgikh /Proceedings of the 3rd International Conference on Intelligent Human Systems Integration (IHSI 2020):Integrating People and Intelligent Systems, February 19–21, 2020, Modena, Italy. . *Advances in Intelligent Systems and Computing*, vol.1131, pp.282-287
11. Oleksandr Burov, Evgeniy Lavrov, Svitlana Lytvynova, Nadiia Pasko, Svitlana Dubovyk, Olena Orlyk, Olga Siryk, Vasyl Kyzenko (2021) Cognitive Performance Degradation in High School Students as the Response to the Psychophysiological Changes. In: Ayaz H., Asgher U. (eds) *Advances in Neuroergonomics and Cognitive Engineering*. AHFE 2020. *Advances in Intelligent Systems and Computing*, vol 1201. Springer, Cham. https://doi.org/10.1007/978-3-030-51041-1_12
12. Evgeniy Lavrov, Nadiia Pasko, Olga Siryk, Natalia Kisel and Nelly Sedova. The method of teaching IT students computer analysis of ergonomic reserves of the effectiveness of automated control systems/ The International Conference on Sustainable Futures: Environmental, Technological, Social and Economic Matters (ICSF 2020), E3S Web of Conferences 166(3):10017. DOI: <https://doi.org/10.1051/e3sconf/202016610017>
13. Evgeniy Lavrov, Nadiia Pasko, Olga Siryk, Volodymyr Mukoseev, Svitlana Dubovyk. Automation of Reliability Assessment of Functional Elements of Flexible Automated Production Based on Functional Network Methodology / 16th International Conference on ICT in EDUCATION, RESEARCH and INDUSTRIAL APPLICATIONS June 16-20, 2020 (ICTERI 2020), *Kharkiv, Ukraine, 357-364/* <https://ceur-ws.org/Vol-2740/20200357.pdf>
14. Evgeniy Lavrov, Nadiia Pasko, Olga Siryk, Oleksandr Burov, Viacheslav Osadchyi. Ergonomics of Cyberspace. Mathematical Modeling to Create Groups of Operators for Error-Free and Timely Implementation of Functions in a Distributed Control System / 16th International Conference on ICT in EDUCATION, RESEARCH and INDUSTRIAL APPLICATIONS June 16-20, 2020 (ICTERI 2020), Kharkiv, Ukraine, 380-385/ <https://easychair.org/publications/preprint/nzCr>
15. Pasko, N.; Viunenko, O.; Agadzhanova, S. and Ahadzhanov-Honsales, K. (2022). Using Intelligent Agent-managers to Build Personal Learning Environments in the E-Learning System}. In Proceedings of the 1st Symposium on Advances in Educational Technology - Volume 2: AET, ISBN 978-989-758-558-6, SciTePress, pages 292-299. <https://doi.org/10.5220/0010931000003364>
16. Monograph: "Heritage of European science '2023", Karlsruhe, Germany, February, 2023. <https://desymp.promonograph.org/index.php/sqe/issue/view/sqe17-02/sqe17-02>