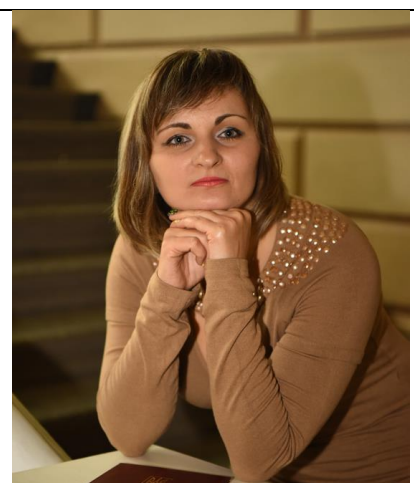


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PROFESSIONAL AND ACADEMIC POSITIONS:

- 2018 to current Ass. Prof of Department of Software Engineering and Management Intelligent Technologies (before 2022 – Department of Software Engineering and Management Information Technologies), Educational and Scientific Institute of Computer Science and Information Technologies (before 2022 – Faculty of Computer Science and Software Engineering), National Technical University "Kharkiv Polytechnic Institute";
- 2017 – 2018 Senior Lecturer of Department of Software Engineering and Management Information Technology, National Technical University "Kharkiv Polytechnic Institute".

EDUCATION:

- Doctor of philosophy Ph.D. (Technical) (March, 2018) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
Specialization: Information Technology
- Specialist Degree (Technical) (March, 2004) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
Concentrations: Software for automated systems

COURSES TAUGHT

- Extensive teaching at all university levels: Bachelor/Master/PhD:
- Basics of software engineering (in English),
 - Basics of designing of intelligent systems (in English and Ukrainian),
 - Processing methods of empirical information (in English and in Ukrainian)

FIELDS OF RESEARCH INTEREST:

- Decision support systems,
- Information systems and e-health,
- Data Mining,
- Machine Learning.

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published more than 70 publications, 5 collective monographs, 10 articles in publications indexed in Scopus and Web of Science. (h-index = 4, i10-index = 1 in Google Scholar - <https://scholar.google.com.ua/citations?user=xCU7GMgAAAAJ&hl=ru> ; ORCID

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PROFESSIONAL MEMBERSHIPS:

- Full member of the public organization "Ukrainian Scientific and Educational IT Society", Certificate № 20-00020 FS.

RELATED PUBLICATIONS

Papers

- K. V. Melnyk. Improving the quality of credit activity by using scoring model / K. V. Melnyk, N. V. Borysova // Radio Electronics, Computer Science, Control. – 2, 2019. – P. 60-70. DOI 10.15588/1607-3274-2019-2-7 . e-ISSN 1607-3274.
- Melnyk K. The Technology of Short-Term Planning for Resolving the Problems with High Level of Uncertainty on an Enterprise / Karina Melnyk // Proceedings of the 2nd International Workshop on Modern Machine Learning Technologies and Data Science (MoMLeT+DS 2020). Volume I: Main Conference. Lviv-Shatsk, Ukraine, June 2-3, 2020.– P. 280-293 <http://ceur-ws.org/Vol-2631/paper21.pdf>
- Melnyk K. Integrated Technology for Personnel Assessment Based on the Competencies Model / Karina Melnyk, Natalia Borysova // Proceedings of the 9th International Conference “Information Control Systems & Technologies”. Odessa, Ukraine, September 24–26, 2020. – P. 343-357 <http://ceur-ws.org/Vol-2711/paper27.pdf>
- K. V. Melnyk. Decision support technology for sprint planning / K. V. Melnyk, V. N. Hlushko, N. V. Borysova // Radio Electronics, Computer Science, Control. – 1, 2020. – P. 135-145. DOI 10.15588/1607-3274-2020-1-14 . e-ISSN 1607-3274.
- Melnyk K. Methodology of Disease Risk Assessment / Karina Melnyk, Natalia Borysova and Svetlana Ershova // Proceedings of the 3rd International Conference on Informatics & Data-Driven Medicine “IDDM 2020”. November 19–21, 2020, Växjö, Sweden. – P. 348-359 <http://ceur-ws.org/Vol-2753/paper25.pdf>
- Melnyk K. Towards Designing of Recommendation System for Recruiting of Software Development Teams/ Karina Melnyk, Natalia Borysova, Zoia Kochuieva and Dina Huliieva // Proceedings of the 4th International Workshop on Computer Modeling and Intelligent Systems, April 27, 2021, Zaporizhzhia, Ukraine. – P. 226-237 <http://ceur-ws.org/Vol-2864/paper20.pdf>
- Kochuieva Z. Usage of Sentiment Analysis to Tracking Public Opinion / Zoia Kochuieva, Natalia Borysova, Karina Melnyk and Dina Huliieva // Proceedings of the 5th International Conference on Computational Linguistics and Intelligent Systems (COLINS-2021), April 22–23, 2021, Kharkiv, Ukraine. – P.272-285. <http://ceur-ws.org/Vol-2870/paper23.pdf>
- Melnyk K. Model of the monitoring process for early diagnosis of patients’ health / Karina Melnyk, Natalia Borysova, Pavel Smolin, Iryna Dehtiarova, Iuliia Gasan and Alla Voids // Proceedings of the 4th International Conference on Informatics & Data-Driven Medicine (IDDM 2021), November 19–21, 2021, Valencia, Spain. – P. 250-259 <http://ceur-ws.org/Vol-3038/paper16.pdf>
- Melnyk K. The Hierarchical Information System for Management of the Targeted Advertising/ Karina Melnyk, Natalia Borysova and Viktoriia Melnyk // Proceedings of the 5th International Workshop on Computer Modeling and Intelligent Systems (CMIS 2022), May 12, 2022, Zaporizhzhia, Ukraine. – P. 288-302 <http://ceur-ws.org/Vol-3137/paper24.pdf>

- Borysova N. Gender Classification of Surnames: Ukrainian aspect / Natalia Borysova, Karina Melnyk, Nadiia Babkova, Zoia Kochuieva and Viktoriia Melnyk // Proceedings of the 6th International Conference on Computational Linguistics and Intelligent Systems (COLINS-2022), May 12–13, 2022, Gliwice, Poland. – P.354-364. <http://ceur-ws.org/Vol-3171/paper29.pdf>
- Melnyk K. Multi-Agent Approach for the Unification of Meteorological Data / Karina Melnyk, Yaroslav Kravets, Iryna Liutenko, Svitlana Yershova, Oksana Ivashchenko, Dmytro Yershov and Olena Odyntsova // Proceedings of the 7th International Conference on Computational Linguistics and Intelligent Systems (COLINS-2023), April 20–21, 2023, Kharkiv, Ukraine. – P.476-486. <https://ceur-ws.org/Vol-3403/paper37.pdf>
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