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PROFESSIONAL AND ACADEMIC POSITIONS:

2021 to current Professor 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";

2004 to 2021 Ass. Prof of Department of Software Engineering and Management Information Technology, National Technical University "Kharkiv Polytechnic Institute";

2003 – 2004 Senior Lecturer of Department of Software Engineering and Management Information Technology, National Technical University "Kharkiv Polytechnic Institute";

2002 – 2005 Assistant Professor of Software Engineering and Management Information Technology, National Technical University "Kharkiv Polytechnic Institute".

EDUCATION:

- Doctor of Engineering Science (September, 2021) National Technical University "Kharkiv Polytechnic Institute"; Kharkiv, Ukraine,
Area: Information Technologies;
- Ph.D. (Engineering Science) (April, 2004) National Technical University "Kharkiv Polytechnic Institute"; Kharkiv, Ukraine,
Area: Automated Control Systems and Modern Information Technologies;
- Specialist Degree (Systems analyst engineer, 5 years, Honors Diploma) (February, 1998) Kharkiv State Polytechnic Institute, Kharkiv, Ukraine
Majoring: Computer-aided information processing and management systems

COURSES TAUGHT

Extensive teaching at university levels: Bachelor/Master/Ph.D:

- Intelligent Systems Software (in English and Ukrainian),
- Models of Artificial Intelligence (in English and Ukrainian),
- Modeling of Systems (in English),
- Methods of Knowledge Representation (in Ukrainian)

FIELDS OF RESEARCH INTEREST:

- Agent-Oriented Software Development,
- Processing of weak-structured textual data,
- Machine Learning.

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published more than 70 publications, 5 collective monographs, 3 textbooks, stamped by the university
- Head of research works:
2021-2022 - "Development of methods for monitoring relevant data in organizational management systems" (N 0121U108870)
2019-2020 - "Creating models and methods of collection and automated processing of business information in the web space "(N 0119U002556)
- Responsible executor of the initiative research works:
2016-2018 "Models, methods and information technologies of performance and quality management in complex systems in terms of Eurointegration" (N 0117U004806)
2013-2014 "Development of information-analytical technologies of strategic management of hierarchical distributed systems" (N 0113U000452)
- Encouraged and empowered staff to develop their careers and reach their full potential (e.g. through coaching 8 PhD students in Information Technology, 5 got their PhD degrees);
- The expert of National Agency for Higher Education Quality Assurance (<https://naqa.gov.ua/>).
- Participation in International Projects:
Erasmus+ KA1 Learning Mobility: Alpen Adria University (Austria), Paris 13 (France), Maribor University (Slovenia), Poznań University of Economics and Business (Poland);
Erasmus+ KA2 Capacity Building Establishing Modern Master-level Studies in Information Systems MASTIS (561592-EPP-1-2015), 2015-2019.

PROFESSIONAL MEMBERSHIPS:

- Full member of the public organization "Ukrainian Scientific and Educational IT Society", Certificate № 19-00009 FS.

RELATED PUBLICATIONS

- Cherednichenko OY Approaches to the analysis and modeling of business processes / Cherednichenko OY // Information technologies: current status and prospects: monograph / by general. ed. VS Ponomarenko. - Kharkiv: DISA PLUS LLC, 2018. - P. 118–132.
- Analysis and modeling of problem-oriented software systems: A textbook for students majoring in 121 - Software Engineering, specialty 122 - Computer Science / I.P. Gamayun, O.Yu. Cherednichenko, SI Ershova and others. - Kharkiv: FOP Chernyak LO, 2019. - 179p.
- Marjan Senegačnik, Alenka Baggia, Branka Jarc Kovačič, Maryna Vovk, Olga Cherednichenko Opportunities for sustainable mobility promotion among students of the university of Maribor, faculty of organizational sciences. 39th International Conference on Organizational Science Development: Organizations at Innovation and Digital Transformation Roundabout : Conference Proceedings. Online, MS Teams, September 23 – 24, 2020. URL: <https://press.um.si/index.php/ump/catalog/view/503/613/1104-1>. DOI <https://doi.org/10.18690/978-961-286-388-3.57>
- Models of recommendation formation in intelligent electronic commerce systems / O.Yu. Cherednichenko, O.V. Yangolenko, O.V. Ivashchenko, O.M. Matveev // Information processing systems. – Kharkiv, 2020. – Issue 1(160). - P. 32-39. DOI: 10.30748/soi.2020.160.04
- Cherednichenko, O. Item matching based on collection and processing customer perception of images / Cherednichenko, O., Vovk, M., Ivashchenko, O. // ICTERI : Proceedings 16th International Conference on ICT in Education, Research and Industrial Applications. Integration, Harmonization and Knowledge Transfer. Volume II: Workshops, 2020; Kharkiv; Ukraine; 6-10 October 2020; Код 164721 , 2020. – CEUR Workshop Proceedings, Vol- 2732. – P. 329-337

- A Model for Estimating the Security Level of Mobile Applications: a Fuzzy Logic Approach / Olha Yanholenko, Olga Cherednichenko, Olena Yakovleva, Denis Arkatov // Intelligent Information Technologies & Systems of Information Security : proceedings of the 1st International Workshop, Khmelnytskyi, Ukraine, June 10-12, 2020. – CEUR Workshop Proceedings, Vol-2623. – P. 252-256 (URL: <http://ceur-ws.org/Vol-2623/paper22.pdf>)
- Cherednichenko Olga. Formal Modeling of Decision-Making Processes under Transboundary Emergency Conditions / Olga Cherednichenko , Olha Yanholenko, Maryna Vovk , Vasyl Tkachenko // Data-Centric Business and Applications. Evolvments in Business Information Processing and Management (Volume 3). Lecture Notes on Data Engineering and Communications Technologies, Volume 42. – Series Editor Fatos Xhafa, Technical University of Catalonia, Barcelona, Spain – Springer Nature Switzerland AG. – 2020. – P. 141-162. (online <https://doi.org/10.1007/978-3-030-35649-1>)
- Olga Cherednichenko, Maryna Vovk, Oksana Ivashchenko, Alenka Baggia, Nataliia Stratiienko. Improving Item Searching On Trading Platform Based On Reinforcement Learning Approach. Computational Linguistics and Intelligent Systems (COLINS) : Proceedings of the 5th International Conference on). Vol. I: Main Conference , Lviv, Ukraine, April 22-23, 2021. P. 1444-1455. <http://ceur-ws.org/Vol-2870/paper106.pdf>
- Repeta V., Zhydetskyy V., Cherednichenko O. Liakh I. Modeling with fuzzy logic the migration capacity of UV-ink components as a factor of potentially harmful pollution of packaging. Intelligent Information Technologies and Systems of Information Security, IntellTSIS 2021 : proceedings of the 2nd International Workshop, 24 March 2021 - 26 March 2021. Vol. 2853. CEUR Workshop Proceedings. 2021. Pages 83 – 89. <http://ceur-ws.org/Vol-2853/short5.pdf>
- Olga Cherednichenko, Oleksandr Matveiev, Olha Yanholenko, Rositsa Maneva. Multi-Agent Modeling of Project Management Processes in Distributed Teams. Proceedings of the 2nd International Workshop IT Project Management (ITPM 2021), February 16-18, 2021, Slavsko, Lviv region, Ukraine. CEUR Workshop Proceedings (CEUR-WS.org). P. 132-141. URL: <http://ceur-ws.org/Vol-2851/paper12.pdf>
- Hnatchuk Y.,Hnatchuk A.,Pityn M.,Hlukhov I.,Cherednichenko O. Intelligent decision support agent based on fuzzy logic in athletes' adaptive e-learning systems. 2nd International Workshop on Intelligent Information Technologies and Systems of Information Security, IntellTSIS 2021, 24 March 2021 - 26 March 2021. CEUR Workshop Proceedings. 2021. V. 2853. P. 258 – 265. <http://ceur-ws.org/Vol-2853/short32.pdf>
- Olga Cherednichenko. Towards Pipeline Construction for Product Matching Task / Olga Cherednichenko, Oksana Ivashchenko, Maryna Vovk // 41th International Conference on Organizational Science Development [Elektronski vir] = 41. mednarodna konferenca o razvoju organizacijskih znanosti : society's challenges for organizational opportunities = izzivi družbe za priložnosti organizacij : conference proceedings = konferenčni zbornik /uredniki, editors Polona Šprajc ... [et al.]. - 1st ed. - E-zbornik. - Maribor : University of Maribor, University Press, 2022 -p.165-177 <https://press.um.si/index.php/ump/catalog/book/663>
- Towards Collaborative Business Intelligent Framework: Crowdsourcing Approach Olga Cherednichenko, Maryna Vovk, Oleksandr Sutiahin. 42nd International Conference on Organizational Science Development: Interdisciplinarity Counts. Portorož, Slovenia March 22 – 24, 2023. P.197-207. <https://doi.org/10.18690/um.fov.3.2023>
- A Reference Model for Collaborative Business Intelligence Virtual Assistants. O Cherednichenko, F Muhammad, J Darmont, C Favre. COLINS-2023: 7th International Conference on Computational Linguistics and Intelligent Systems, April 20–21, 2023, Kharkiv, Ukraine. CEUR Workshop Proceedings (CEUR-WS.org). 2023. arXiv preprint arXiv:2304.10556, 2023. 12p. URL: <https://arxiv.org/ftp/arxiv/papers/2304/2304.10556.pdf>

