
Name Mariia Bilova
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PROFESSIONAL AND ACADEMIC POSITIONS:

- 2017 to current Associate Professor, 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»;
- 2014 – 2017 Ph.D. Student, Department of Computer Monitoring and Logistics, National Technical University «Kharkiv Polytechnic Institute»;
- 09.2014 – 10. 2014 Trainee Teacher, Department of Computer Monitoring and Logistics, National Technical University «Kharkiv Polytechnic Institute».

EDUCATION:

Ph.D. (Engineering Science) (June, 2017) Sumy State University, Sumy, Ukraine
Specialization: ecological safety

Master's Degree (Computer-based environmental and economic monitoring, 2 years, Honors Diploma) (June, 2014) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
Concentrations: Professional in Computer Science.

Bachelor's Degree (Computer-based environmental and economic monitoring, 4 years) (June, 2012, Honors Diploma) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine
Concentrations: Bachelor in Computer Science

COURSES TAUGHT

Extensive teaching at university levels: Bachelor/Master:

- Algorithmization and programming (part 1 and part 2) (lectures and lab classes in Ukrainian and English at Bachelor level)
- Green Computing (lectures and lab classes in Ukrainian and English at Bachelor level)

FIELDS OF RESEARCH INTEREST:

- Learning Management Systems
- Life-long Learning
- Project Team e-Learning in IT-Industry

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published more than 50 research papers and textbooks (Google Scholar: <https://scholar.google.com/citations?user=b3YLGToAAAAJ>; ORCID: <https://orcid.org/0000-0001-7002-4698>; Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57190442390>; Publons: <https://publons.com/researcher/1791543/mariia-bilova/>)

PROFESSIONAL MEMBERSHIPS:

- Full member of the Public Organization "Ukrainian Scientific and Educational IT Society" (2019 to present, certificate №19-00079 FS від 06.03.2019), Ukraine

RELATED PUBLICATIONS

Papers

- Bilova M. An Adaptive Algorithm for Effective Selection of Training Content for IT Professionals / V. Sokol, M. Bilova, A. Druzhytnin, N. Cherkuna and I. Perepelytsia // Proceedings of the 5th International Conference on Computational Linguistics and Intelligent Systems (COLINS 2021). Volume I: Main Conference. – p. 1173–1183. <http://ceur-ws.org/Vol-2870/paper85.pdf>
- Bilova M. O. An Approach to ICT Professionals' Skills Assessment based on European e-Competence Framework / V. Sokol, M. Tkachuk, M. Godlevskiy, M. Bilova, D. Studenikin // Proceedings of the 16th ICTERI Conference. Volume II: Workshops, Kharkiv, Ukraine, October 06-10, 2020, CEUR-WS.org, – P. 677–692. online <http://ceur-ws.org/Vol-2732/20200677.pdf>
- Bilova M. O. Developing Adaptive Learning Management Application for Project Team in IT-Industry / V. Y. Sokol, S. V. Bronin, V. E. Karnaukh, M. O. Bilova // Bulletin of the National Technical University «KhPI». Series: System analysis, control and information technology. – 2020. – №1 (3). – P. 97–105. <http://repository.kpi.kharkov.ua/handle/KhPI-Press/47409>
- Bilova M. O. Using Cloud Platforms To Build Distributed Learning Management Systems / V. Y. Sokol, P. Y. Sapronov, M. O. Bilova // Bulletin of the National Technical University "KhPI". Series: System analysis, control and information technology. – № 2 (4) 2020. – С. 33–38. <http://repository.kpi.kharkov.ua/handle/KhPI-Press/50287>
- Bilova M. O. An Approach To Project Team Formation Using Task Management System / V. Y. Sokol, M. O. Bilova, V. O. Krykun // Science and Education a New Dimension. Natural and Technical Sciences. - VI(29), Issue 238, 2020 Sept. pp. 30-33 <https://journals.indexcopernicus.com/api/file/view/ByFileId/1262128.pdf>
- М.О. Білова Типова функціональність, особливості застосування та впровадження систем управління знаннями в ІТ-компаніях / В. Є. Сокол, М. О. Білова, О. С. Космачов // Вісник національного університету «Львівська політехніка». Серія: Інформаційні системи та мережі. – 2020. – №8. – с. 45–54 <http://science.lpnu.ua/sites/default/files/journal-paper/2020/nov/22696/originalmaket2009751-47-56.pdf>
- M. Bilova Study of Software Systems Usability Used for Customers Loyalty Identification / M. Bilova, O. Trehubenko / COLINS'2019, Volume II: Workshop. Kharkiv, Ukraine, April 18-19, 2019. – P. 46–55 <http://ena.lp.edu.ua:8080/handle/ntb/45495>
- Білова М.О. Класифікація, типова функціональність та особливості застосування систем електронного навчання та тренінгу персоналу в ІТ-компаніях / М. В. Ткачук, В. Є. Сокол, М. О. Білова, О. С. Космачов // Сучасні інформаційні системи. – 2018. – Т.2. – №4. – С. 87–95 <http://repository.kpi.kharkov.ua/handle/KhPI-Press/40553>
- Білова М.О. Інформаційно-аналітична система методів з комплексної оцінки стану складних об'єктів / М.О.Білова, Т.В. Козуля // Радіоелектроніка, інформатика, управління. – 2017. – №4 (43). – С. 131–138 <http://ric.zntu.edu.ua/article/view/126515/121479>

Monography

O. Shmatko, M. Bilova Information support for distributed teamwork knowledge management / Modern Problems Of Computer Science And IT-Education: collective monograph // [editorial board K. Melnyk, O. Shmatko].– Vienna : Premier Publishing s.r.o., 2020. – p. 169–192.

https://www.researchgate.net/publication/341328574_MODERN_PROBLEMS_OF_COMPUTER_SCIENCE_AND_IT-EDUCATION