



Name Valentyna Moskalenko
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PROFESSIONAL AND ACADEMIC POSITIONS:

2020 to current Full Professor, Department of Software Engineering and Information Technology Management, Faculty of Computer Science and Software Engineering, National Technical University "Kharkiv Polytechnic Institute";
2016 – 2020 Associate Professor, Department of Software Engineering and Information Technology Management, Faculty of Computer Science and Software Engineering, National Technical University "Kharkiv Polytechnic Institute";
2013– 2016 Doctoral student, National Technical University "Kharkiv Polytechnic Institute";
1999 – 2013 Associate Professor, Department of Automated Control Systems, National Technical University "Kharkiv Polytechnic Institute";
1997 – 1999 Senior Lecturer, Department of Automated Control Systems, Kharkiv State Polytechnic University;
1994– 1997 Assistant, Department of Automated Control Systems, Kharkiv State Polytechnic University;
1993-1994 Software engineer of the 1st category; Department of Automated Control Systems, Kharkiv State Polytechnic University;
1988-1993 Design engineer, Ukrainian State Design Institute "Tyazhpromavtomatika", Kharkiv

EDUCATION:

D.Sc. (Technical) (January, 2011) National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine

Ph.D. (Technical)) (June, 1999) Kharkiv State Polytechnic University, Kharkiv, Ukraine

Specialization: Automated Control Systems
Specialist Degree (Systems Engineer, 5,5 years, Honors Diploma) (February, 1988) Kharkiv Polytechnic Institute, Kharkiv, Ukraine
Majoring: Automated Control Systems

COURSES TAUGHT

Extensive teaching at all university levels: Bachelor/Master/PhD:

- Fundamentals of information systems and technologies (in Ukrainian);
- Fundamentals of computer science and artificial intelligence methods (in English and Ukrainian);
- Probability theory and mathematical statistics (in Ukrainian);
- Fundamentals of business analysis (in Ukrainian);

- Business Systems Analytics (in Ukrainian);
- Methods of computational intelligence and intellectual analysis (in Ukrainian);
- Machine Learning (in Ukrainian).
- Software Requirements Engineering (in Ukrainian).
- Computational Intelligence Methods (in Ukrainian).

FIELDS OF RESEARCH INTEREST:

- modeling the strategic management process using computational intelligence methods;
- business analytics.

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published more than 90 research papers, textbooks and monographs in Information technology (h-index = 4 in Google Scholar - <https://scholar.google.com.ua/citations?user=eUidJHIAAAAJ&hl=ru>, <https://www.scopus.com/authid/detail.uri?authorId=36021571200>, <https://orcid.org/0000-0002-9994-5404>);
- Took a leading role in research projects (in the field of IT, 2003–2020). Ensured the effective execution of these projects development of models and methods for making effective decisions on planning the development of an enterprise, applied information technologies for the formation of strategic programs for the development of enterprises in various sectors of the economy).
- Encouraged and empowered staff to develop their careers and reach their full potential (e.g. through coaching 2 PhD students in Information Technology, 2 got their PhD degrees);
- Scientific supervisor of the initiative research work "Development of a complex of control models for dynamic systems under uncertainty", (01.2021p. - 12.2022 p.) K8013, UDC 004.9: 519.8, No.DR 0121U108872;
- guarantor of the EDUCATIONAL AND SCIENTIFIC PROGRAM "Computer Science and Intelligent Systems", second (master's) level.

PROFESSIONAL MEMBERSHIPS:

- Full member of the public organization "Ukrainian Scientific and Educational IT Society", Certificate № 20-00090 FS.

RELATED PUBLICATIONS

Books

1 Moskalenko VV Modern theory of enterprise management: laboratory workshop / V.V. Москаленко, Н.Г. Фонт. - Kharkiv: NTU "KhPI", 2017. - 368 p. Recommended by the Academic Council of NTU "KhPI" as a laboratory workshop for students of the first bachelor's level in the field of knowledge 12 - "Information Technology" in the specialty 122 - "Computer Science and Information Technology", protocol № 6 from 07.07.2017

2 Moskalenko VV, Godlevsky MD Models and methods of strategic management of enterprise development: monograph / VV Moskalenko, MD Godlevsky. - Kharkiv: NTU "KhPI", 2018. - 208 p.

Papers

1. Moskalenko, V., Fonta, N. The method of constructing a development trajectory as the basis of an intelligent module for strategic planning of the EPM system. // CEUR Workshop Proceedings this link is disabled, 2021, 2870, P. 1540–1550.

2. Moskalenko V., Fonta N. (2021) The Cascading Subsystem of Key Performance Indicators in the Enterprise Performance Management System. In: Nechyporuk M., Pavlikov V., Kritskiy D. (eds) Integrated Computer Technologies in Mechanical Engineering - 2020. ICTM 2020. Lecture Notes in Networks and Systems, vol 188. Springer, Cham. https://doi.org/10.1007/978-3-030-66717-7_60, https://link.springer.com/chapter/10.1007%2F978-3-030-66717-7_60)

3. Moskalenko, V., Fonta, N., Grinchenko, M. The method of forming a dynamic projects portfolio of IT companies // CEUR Workshop Proceedings. 2020. Vol. 2565: Proceedings of the 1st International Workshop IT Project Management (ITPM 2020). P. 152-161. (Slavsko, Lviv Region; Ukraine; 18 February 2020 - 20 February 2020)

4. Moskalenko V.V. Method of building the trajectory of enterprise development for strategic purposes / V.V. Moskalenko, H.Г. Fonta, S.I. Yershova, O.V. Afanasyev // Information processing systems. - 2019. - № 2 (157). - P. 7–12.

5. Moskalenko V.V. Algorithmic module of investment program formation within the framework of decision support system for enterprise development / V.V. Moskalenko, S.I. Kachanova // Bulletin of the National Technical University "KHPI". Series: System analysis, control and information technology: зб. Science. etc. / Nat. tech. University "Kharkiv. Polytechnic Inst. - Kharkiv: NTU "KhPI", 2018. – № 21 (1297). - P. 65-69.

6. Moskalenko V. V. The concept of an architectural solution for the service intended to build an enterprise strategy map / V. V. Moskalenko, J. C. Berezenko // Bulletin of the National Technical University "KHPI". Series: System analysis, control and information technology : зб. наук. пр. / Nat. tech. University "Kharkiv. Polytechnic Inst. - Kharkiv: NTU "KhPI", 2017. – №55(1276). – P. 45-50. DOI: [10.20998/2079-0023.2017.55.08](https://doi.org/10.20998/2079-0023.2017.55.08)

Moskalenko V.V. Information technology of cascading strategic performance indicators to the indicators of enterprise budgets / V. V. Moskalenko, N. G. Fonta, I. A. Mironyuk // Information processing systems. - 2017. - No. 2 (148). - P. 195-199.

Moskalenko V.V. Approach to the construction of an information system for managing the efficiency of an enterprise that is a part of the holding / V.V. Moskalenko, N.G. Fonta // Information technologies: problems and prospects: monograph / edited by V.S.Ponomarenko. - H.: View. Rozhko S.G., 2017. -- P. 371-386.