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PROFESSIONAL AND ACADEMIC POSITIONS:

2018 to current Full Professor, Department of Software Engineering and Management Information Technologies, Faculty of Computer Science and Software Engineering, National Technical University "Kharkiv Polytechnic Institute";

2015 – 2018 Associate Professor, Department of Software Engineering and Management Information Technologies, National Technical University "Kharkiv Polytechnic Institute";

2001 – 2015 Associate Professor, Department of Computer-Aided Management Systems, National Technical University "Kharkiv Polytechnic Institute";

1996– 2001 Senior Lecturer, Department of Computer-Aided Management Systems, Kharkiv State Polytechnic University;

1994 – 1996 Assistant, Department of Computer-Aided Management Systems, Kharkiv State Polytechnic University;

1992 – 1994 Assistant, Department of Computer-Aided Management Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine;

1992 – 1992 Industrial Training Master, Department of Computer-Aided Management Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine;

1992– 1992 Assistant, Department of Computer-Aided Management Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine;

1988-1992 Engineer; Department of Computer-Aided Management Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine;

1987-1988 Lecturer-trainee, Department of Computer-Aided Management Systems, Kharkiv Polytechnic Institute, Kharkiv, Ukraine.

EDUCATION:

Ph.D. (Technical) (December, 2020) Kharkiv State Polytechnic University, Kharkiv, Ukraine
Specialty: Automated Control Systems and Modern Information Technologies

Specialist Degree (Technical, 5.5 years, Honors Diploma) (February, 1987) Kharkiv Polytechnic Institute, Kharkiv, Ukraine
Concentrations: Computer-Aided Management Systems

COURSES TAUGHT

Extensive teaching at university levels: Bachelor/Master:

- Fundamentals of the Theory of Algorithms (in English and Ukrainian),
- Algorithms and Data Structures (in English and Ukrainian),
- Computer Mathematics (in English and Ukrainian),
- Fundamentals of Project Management (in Ukrainian)

FIELDS OF RESEARCH INTEREST:

- Analysis of Algorithms and Data Structures
- Operations Research
- Information Technologies, Cloud Computing
- IT Project Management

SUMMARY OF CAREER ACHIEVEMENTS

Prepared and published more than 60 research papers, training manuals and textbooks (Google Scholar: <https://scholar.google.com/citations?user=9cw0zwwgAAAAJ&hl=ru>; ORCID: <https://orcid.org/0000-0002-7925-6687>; Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57196007565>)

PROFESSIONAL MEMBERSHIPS:

- Full member of the Public Organization "Ukrainian Scientific and Educational IT Society" (2019 to present, certificate № 19-00038 FS), Ukraine

RELATED PUBLICATIONS

Books

- Stratiienko N.K. Algorithms and data structures: workshop: training manual / N. K. Stratiienko, M. D. Godlevskiy, I. O. Borodina; Nat. Tech. University " Kharkiv Polytechnic Institute". - Kharkiv: NTU "KhPI", 2017. - 224 p.
- Operations Research: Problem Solving and Options for Typical Calculations [Text]: training manual for students of the direction "Computer Science" / M. D. Godlevskiy, V. L. Lisitskiy, N. K. Stratiienko; Nat. Tech. University "Kharkiv Polytechnic Institute". - Kharkiv: NTU "KhPI", 2016. - 183 p. - ISBN 978-617-05-0182-0

Papers

- Włodzimierz Lewoniewski, Nina Khairova, Krzysztof Węcel, Nataliia Stratiienko, Witold Abramowicz. Using Morphological and Semantic Features for the Quality Assessment of Russian Wikipedia. Series Communications in Computer and Information Science, Springer International Publishing AG 2017, ICIST 2017, CCIS 756, pp. 550–560, 2017. DOI: 10.1007/978-3-319-67642-5_46
- Olga Cherednichenko, Maryna Vovk, Oksana Ivashchenko, Alenka Baggia, Nataliia Stratiienko. Improving Item Searching On Trading Platform Based On Reinforcement Learning Approach, 2021, 2870, pp. 1444-1455. <http://ceur-ws.org/Vol-2870/paper106.pdf>
- Bieliaiev O. I. Algorithmic support for multicriteria assessment of retail information systems / O. I. Bieliaiev, I. V. Liutenko, N. K. Stratiienko // Bulletin of the National Technical University "KhPI". Ser. : System analysis, control and information technology – Kharkiv : NTU "KhPI", 2021. – № 1 (3). – P. 3-9.
- Software development for it team building based on estimating corporate culture and personality type /S. V. Orekhov, N. K. Stratiienko, H. V. Malyhon // Bulletin of the National Technical

- University “KhPI”. Series: System analysis, control and information technology.– Kharkiv: NTU “KhPI”, 2019. – №2. – P 22-29. –ISSN 2079-0023.
- Mixed consistency of the data in multicloud systems / O. Kozina, N. Stratiienko // Advanced Information Systems. – Kharkiv: NTU “KhPI”, 2018. Vol. 2, No. 2 – P. 23-29. - ISSN: 2522-9052
 - Model of primary pivots’ prioritization in startups / O.A. Kozina, N.K. Stratiienko // Bulletin of the National Technical University “KhPI”. Series: System analysis, control and information technology – Kharkiv: NTU “KhPI”, 2017. – №28 (1250). – c.84-88. – Bibliogr.: 13. – ISSN 2079- 0023
 - The formation of the project team for vertically integrated structure of the agroholding / O. V. Shmatko, N. K. Stratiienko, R. I. Maneva // Bulletin of NTU “KhPI”. Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU “KhPI”, 2017. – No 3 (1225). – P. 65–70. – Bibliogr.: 16. – ISSN 2311–4738.
 - Model of IT-startups Management / O. A. Kozina, N. K. Stratiienko // Bulletin of NTU “KhPI”. Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU “KhPI”, 2017. – No. 2 (1224). – P. 64–71. – Bibliogr.: 21. – ISSN 2311–4738.
 - Solution of a computer equipment market segmentation problem using cluster analysis / N. K. Stratiienko, I. O. Borodina // Bulletin of NTU “KhPI”. Series: System analysis, control and information technology. – Kharkiv : NTU “KhPI”, 2016. – No. 37 (1209). – P. 57–61. – Bibliogr.: 7. – ISSN 2079-0023.
 - Automation of marketing research of sales, price and goods on an engine-building enterprise / N. K. Stratiienko, O. A. Kozina, I. O. Borodina // Bulletin of NTU “KhPI”. Series: System analysis, control and information technology. – Kharkiv : NTU “KhPI”, 2016. – No. 37 (1209). – P. 62–66. – Bibliogr.: 5. – ISSN 2079-0023.