Name	Olga Malyeyeva
Position, Department/Faculty	Professor, Department of Computer Science and Information Technologies / Faculty of Aircraft Control Systems
Academic Degree, Academic Title	Doctor of Technical Sciences, Professor
Email:	o.malyeyeva@khai.edu
Scopus Author ID:	57208674408
Web of Science ResearcherID:	AAZ-3577-2021
ORCID iD:	0000-0002-9336-4182
Google Scholar:	https://scholar.google.com.ua/citations?user=P1HvOiQAAAAJ&hl
ResearchGate:	https://www.researchgate.net/profile/Olga-Malyeyeva?ev=hdr_xprf

EDUCATION:

Basic education (university, major, year of graduation):
Kharkiv Aviation Institute, applied mathematics, 1985

Postgraduate/Doctoral studies:
Candidate of Technical Sciences, National Aerospace University "Kharkiv Aviation Institute", 1993
Doctor of Technical Sciences, National Aerospace University "Kharkiv Aviation Institute", 2004

Additional training, certification programs:
The training course "Computer Systems and networks in the learning process", 150-hour (5 ECTS), ISMA University (Riga, Latvia), Certificate of No.0 1-22/65-20 (25.09.2020);
«@Teachers' Smart Up», 30-hour (1 ECTS), Sigma Software University, Certificate No. 1243cf214d4a4cfebeb536c5308be759 (3.12.2022);
«A comprehensive course on artificial intelligence in education», 45-hour (1,5 ECTS) Ministry of Digital Transformation of Ukraine, Certificate No. CCAIE-2339 (9.06.2025).

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Apr 1985 – Jan 1989	Research Institute of Radio Measurements , Kharkiv, Ukraine, software engineer
May 1993 – Nov 1995	Scientific-production and innovative small enterprise «ASU KHAI», Kharkiv, Ukraine, senior researcher
Feb 2018 – Feb 2020	State enterprise «Southern State Design and Research Institute of Aviation Industry», Kharkiv, Ukraine, leading researcher

Teaching Experience:

Jan 2001 – Jul 2004	Associate Professor, Department of Automated Control Systems, State Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine
Sep 2006 – May 2008	Professor, Private higher educational institution "International Slavic

		University", Kharkiv, Ukraine
Jan 2007 – Jun 2009		Professor, National University of Pharmacy, Kharkiv, Ukraine
Aug 2004 – present		Department of Computer Science and Information Technologies (the department was renamed in 2019), National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine

Experience in International or National Projects:

2003 - 2005	Responsible executor	State budget project "Development of methodological principles, methods and mathematical models of logistics analysis and management of complex technological complexes", National Aerospace University "Kharkiv Aviation Institute" (No 0103U004080, MES of Ukraine)
2004 - 2005	Responsible executor	State budget project "System methodology and information technologies for quality management of projects for the creation of high-tech samples of new technology ", National Aerospace University "Kharkiv Aviation Institute" (No 0104U000835, MES of Ukraine)
2006-2008	Responsible executor	State budget project "Development of methodological foundations, system models and intelligent information technologies for logistics management of distributed production and projects for their creation", National Aerospace University "Kharkiv Aviation Institute" (No 0106U001035, MES of Ukraine)
2009 – 2011	Responsible executor	State budget project "Development of methodological foundations, system models and intelligent information technologies for logistics management of distributed production and projects for their creation", National Aerospace University "Kharkiv Aviation Institute" (No 0103U004080, MES of Ukraine)
2012 – 2014	Responsible executor	State budget project "Development of the theoretical foundations of logistics management of the design, production, operation and disposal of aviation equipment", National Aerospace University "Kharkiv Aviation Institute" (No 0112U000104, MES of Ukraine)
2015 – 2017	Responsible executor	State budget project "Development of theoretical bases by investment projects and programs of reformation and development of machine-building complex of Ukraine", National Aerospace University "Kharkiv Aviation Institute", (No 0115U003328, MES of Ukraine)
2018 – 2020	Head	State project "Information technologies in the management of the development of organizational and technical systems", National Aerospace University "Kharkiv Aviation Institute" (No 0118U003824, MES of Ukraine)
2021 – 2023	Head	State project "Information technologies in management of logistics and distributed systems", National Aerospace University "Kharkiv Aviation Institute" (No 0121U111437, MES of Ukraine)
2024 – 2026	Responsible executor	State project "Models and intelligent technologies for logistics management of high-tech products in the context of digital transformation of industry", National Aerospace University "Kharkiv Aviation Institute" (No 0124U002045, MES of Ukraine)
2025 – 2027	Executor	State budget project, closed topic (No 0125U001562, MES of

		Ukraine)

RESEARCH ACTIVITIES:

Main Research Areas:
Project Management, Production Development, Logistics, Mathematical Modeling, Mathematical Statistics

Number of Publications (Scopus, WoS, others):
Total publications: 230
Indexed in Scopus – 9
Indexed in WoS – 1
Patents (Utility Model) - 3
Others – 217

Monographs, Textbooks:
Monographs – 3
Part of monographs - 3
Textbooks – 10

Participation in Scientific Conferences:
Participation in more than 14 international scientific conferences during 2020–2025:
2025 – International Scientific and Practical Conference "Modern Information Technologies and Artificial Intelligent Systems" (MIT@AIS-2025), Ukraine.
2025 - IV International Scientific and Technical Conference "Prospects for the development of mechanical engineering and transport-2025", Vinnytsia, Ukraine.
2024 – International Scientific and Practical Conference "Information Systems and Technologies (IST-2024)", Ukraine.
2023 – International Scientific and Practical Conference "Intelligent information systems in project and program management", Ukraine.
2023 – IV International Scientific and Practical Internet Conference "Ways of Science Development in Modern Crisis Conditions", Dnipro, Ukraine.
2023 – XXVII International Youth Forum "Radioelectronics and Youth in the 21st Century", Ukraine. XXVII International Youth Forms and Youth in the XXI Century"
2022 – 10th International Scientific and Technical Conference "Problems of Informatization", Ukraine.
2022 – International scientific and practical conference "Intelligent information systems in project management and savings in the minds of the military", Ukraine.
2021 - International scientific and practical conference "Mathematical modeling of processes in economics and management of projects and programs" (IMP-2021)
2020 – 10th International Scientific and Technical Conference "Current direct development of information and communication technologies and management techniques", Ukraine.
2020 – XVII International Conference "Project Management for the Development of Partnership". Kiev, Ukraine.
2020 – IEEE 1st International Workshop IT Project Management (ITPM 2020), Ukraine.
2020 – IEEE 15th International Scientific and Technical Conference on Computer Sciences and Information Technologies (CSIT), Ukraine.

TEACHING ACTIVITIES:

Courses Taught:
1. Probability theory and mathematical statistics (Specialist), State Aerospace University "Kharkiv Aviation Institute"
2. Decision-making theory (Specialist), State Aerospace University "Kharkiv Aviation Institute"
3. Operations research methods (Specialist), State Aerospace University "Kharkiv Aviation Institute"
4. Student research work (Specialist), State Aerospace University "Kharkiv Aviation Institute"
5. Computational linguistics (Specialist), Private higher educational institution "International Slavic University"
6. Product quality management (Specialist), National University of Pharmacy
7. Special sections of mathematics (Master), State Aerospace University "Kharkiv Aviation Institute"
8. Statistical and probabilistic methods of data analysis, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
9. Data analysis in information systems, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
10. Optimization of solutions in computer management systems, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
11. Methods of research and optimization of business solutions,(Bachelor), National Aerospace University "Kharkiv Aviation Institute"
12. Management of scientific projects, ,(PhD), National Aerospace University "Kharkiv Aviation Institute"
13. Models and methods for creating information systems ,(PhD), National Aerospace University "Kharkiv Aviation Institute"
14. Methods and technologies of project quality management ,(PhD), National Aerospace University "Kharkiv Aviation Institute"

Author Courses, Academic Programs:
1. Student research work (Specialist), State Aerospace University "Kharkiv Aviation Institute"
2. Computational linguistics (Specialist), Private higher educational institution "International Slavic University"
3. Product quality management (Specialist), National University of Pharmacy
4. Special sections of mathematics (Master), National Aerospace University "Kharkiv Aviation Institute"
5. Management of scientific projects, ,(PhD), National Aerospace University "Kharkiv Aviation Institute"
6. Models and methods for creating information systems ,(PhD), National Aerospace University "Kharkiv Aviation Institute"
7. Methods and technologies of project quality management,(PhD), National Aerospace University "Kharkiv Aviation Institute"

Methodological Materials, Textbooks:
1. Malyeyeva, O.V., Mitrakhovich, M.M., Lukhanin, M.I. Methods of statistical analysis in control problems (training course). Kharkov: National Aerospace University "KhAI". – 2002. – 100 p.
2. Malyeyeva O.V., Maksimenko, O.V. Statistical Analysis of Data (training course). Kharkiv: National Aerospace University "KhAI". – 2003. – 57 p.
3. Fedorovych, O.Ye., Malyeyeva, O.V., Nechiporuk M.V. Probability-statistical methods in information-management systems. Study allowance - Kharkiv: National aerospace University

"Kharkiv aviation Institute", 2005. - 202 p.

4. Malyeyeva, O.V., Filatova A.A. Mathematical methods and models of information systems analysis (laboratory workshop manual) Kh.: M.E. Zhukovsky National Aerospace University "Khai". – 2007. – 44p.
5. Malyeyeva, O.V., Filatova A.A. Methods and models for research of information systems (collection of tasks). Kh.: M.E. Zhukovsky National Aerospace University "Khai". – 2008. – 45p.
6. Malyeyeva O.V., Yurkevich A. Yu. Statistical analysis of data (using the software package STATISTICA 10.0) (methodical textbook) - Nat. aerospace univ. "Khark. aviation in.-t. – 2018. – 48p.
7. Malyeyeva, O.V., Bilokin, Yu. A. Tasks of research of operations in production information systems: methodical manual for performing homework and calculation work. – Kh.: National Aerospace University "Kharkiv Aviation Institute", 2018. – 65 p.
8. Malieieva, Yu. A., Malyeyeva, O.V. Information technologies of corporate management and strategic management: manual for lab. practical. – Kharkiv: National Aerospace University "Kharkiv Aviation Institute", 2020. – 40 p.
9. Malieieva, Yu. A., Malyeyeva, O.V. Geoinformation technologies in the management of complex systems: training manual for lab. practical. Kharkiv: National Aerospace University named after M. Ye. Zhukovsky "Kharkiv. Aviation Institute", 2021. – 79p.

GRANTS AND PROJECTS:

Participation in International and National Projects:
Participation in the DAAD programme "Digital Ukraine: Ensuring academic success in times of crisis" (2022–2023), lecturer in the Wildau-Kharkiv IT Bridge projects.

Grants, Scholarships, Academic Mobility Programs:

2020	Professional Development Program, ISMA University of Applied Sciences (Riga, Latvia), 150-hour (5 ECTS) international training and internship. Final project: "Computer Systems and networks in the learning process ". Certificate No. 1-22/65-20
2022	Certificate No. 57653041044, lecturer in the Wildau-Kharkiv IT Bridge of the DAAD programme "Digital Ukraine: Ensuring academic success in times of crisis (2022)", winter semester 2022

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:
None

Distinctions, Awards, Prizes:

2004	3rd place in the "Ikari-KHAI" competition of professional skills, nomination Best Scientist
2023	3rd place in the "Ikari-KHAI wartime" competition of professional skills, nomination Best teacher of professionally oriented disciplines
2024	Certificate of Appreciation from the Kharkiv Mayor
2025	Certificate of Appreciation from the Ministry of Education and Science of Ukraine

Membership in Professional Associations:

2013 – 2021	Member of the Specialized Academic Council D64.062.01, National Aerospace University "Kharkiv Aviation Institute"

2013 – present	Member of the Specialized Academic Council 64.089.04 O.M. Beketov National University of Urban Economy in Kharkiv

INTERNATIONAL ACTIVITIES:

Internships:
None

Cooperation with Foreign Universities:
None

Teaching/Lecturing Abroad:
1. Winter 2022 – Technische Hochschule Wildau, Germany – Lecturer in the DAAD programme "Digital Ukraine: Ensuring academic success in times of crisis"
2. Summer 2023 – Technische Hochschule Wildau, Germany – Lecturer in the DAAD programme "Digital Ukraine: Ensuring academic success in times of crisis"

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):
1. Malyeyeva O., Davydovskyi Y., Kosenko V. Statistical analysis of data on the traffic intensity of Internet networks for the different periods of time. Second International Workshop on Computer Modeling and Intelligent Systems (CMIS-2019). 2019. Pp. 897-910.
2. Malyeyeva O., Nosova N., Fedorovych O., Kosenko V. The semantic network creation for an innovative project scope as a part of project knowledge ontology // CEUR Workshop Proceedings , 2362, 2019.
3. Malyeyeva O., Lytvynenko D., Kosenko V., Artiukh R. Models of harmonization of interests and conflict resolution of project stakeholders // ITPM 2020. Proceedings of the 1st International Workshop IT Project Management (ITPM 2020). Slavsko, Lviv region, Ukraine, February 18-20, 2020 // CEUR Workshop Proceedings. Vol-2565.
4. Malyeyeva Olga, Malieieva Yulia, Kosenko Viktor, Artiukh Roman. Formalized Models of Processes and Optimization of Indicators for Complex Equipment Recycling Project, // 15th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2020, 2020. doi: 10.1109/PICST51311.2020.9467933.
5. Parzhin Yu., Detector neural network vs connectionist ANNs / Parzhin Yu., Kosenko V., Podorozhniak A., Malyeyeva O., Timofeyev V. // Neurocomputing, Vol. 414, 13 November 2020, P. 191-203.
6. Blockchain technologies in communication management of infrastructure projects Lytvynenko, D., Malyeyeva, O., Yelizieva, A. Radioelectronic and Computer Systemsthis, 2021, (3), pp. 169–181
7. Lytvynenko D., Malyeyeva O. Risk management in projects of restoration the regional transport structure on the basis of participants' commubication // Innovative technologies and scientific solutions for industries. No. 2 (20), 2022. Pp. 44-51. DOI: https://doi.org/10.30837/ITSSI.2022.20.044

Books, Chapters in Collective Monographs:
1. Malyeyeva O.V. ,Fedorovich O.Ye., Naumenko P.O. Systems analysis of the quality of complex projects and production development programs (monograph) Kharkov: KhSAIE, 2004. – 196 p.
2. Malyeyeva, O.V., Gonchar, I.O., Yelizeva A. V. Management of logistics processes of distributed production: monograph. – Kh.: National Aerospace University "Kharkiv Aviation Institute", 2016. – 181p.

NATIONAL AEROSPACE UNIVERSITY «KHARKIV AVIATION INSTITUTE»

3. Artyukh, R.V., Malyeyeva O.V. Structural and parametric models of selection and assessment of options for technological development of socio-technical systems / Artyukh R.V., - In the book: Mathematical models and new technologies for managing economic and technical systems: monograph / ed. V.O. Timofeeva, I.V. Chumachenko – Kharkov: KhNURE, 2017. – P. 302-314.
4. Davydovsky Yu.K., Malyeyeva, O. V., Kosenko V.V., Persianova O.Yu. Modeling of processes and traffic redistribution in data transmission networks. In the book: Mathematical models and new technologies for managing economic and technical systems. – Kharkiv: FOP Panov A.M., 2018. – P. 261 - 270.
5. Malyeyeva O.V., Nosova N.Yu, Artyuch R.V. Models and methods of management a professional level of internal project participants. In: Information systems and innovative technologies in project and program management. Collective monograph edited by I. Lindle, I. Chumachenko, V. Timofeyev. Riga. 2019. – Pp. 35-47. ISBN 978-9984-891-08-8
6. Malyeyeva O.V., Lytvynenko D., Artyuch R.V. Management of stakeholders of projects of development of transport systems taking into account possible conflicts of communications // Information systems and innovative technologies in project and program management. Collective monograph edited by I. Lindle, I. Chumachenko, V. Timofeyev. Riga. 2020. Pp. 152-178. ISBN 978-9984-891-15-6
7. Mukhin V., Kuchuk N., Kosenko N., Artiukh R., Yelizyeva A., Maleyeva O. etc.. (2020) Decomposition Method for Synthesizing the Computer System Architecture. In: Hu Z., Petoukhov S., Dychka I., He M. (eds) Advances in Computer Science for Engineering and Education II. ICCSEEA 2019. Advances in Intelligent Systems and Computing, vol 938. pp. 289 – 300. Springer, Cham. DOI 10.1007/978-3-030-16621-2_27

Links to Citation Database Profiles:
https://www.scopus.com/authid/detail.uri?authorId=57208674408
https://www.webofscience.com/wos/author/record/2378668
https://scholar.google.com.ua/citations?user=P1HvOiQAAAAJ&hl
https://www.researchgate.net/profile/Olga-Malyeyeva?ev=hdr_xprftext

ADDITIONAL INFORMATION:

Language Proficiency:
Ukrainian: Native
English: Intermediate

IT Skills:
Data Analysis: Statistica (professional), POM QM.
Microsoft Office / Microsoft Excel / Zoom / Microsoft Powerpoint / Skype /

Social and Community Activities:
None