



Name	Julia Malieieva (Bilokin)
Position, Department/Faculty	Associate Professor, Department of Computer Science and Information Technologies / Faculty of Aircraft Control Systems
Academic Degree, Academic Title	Candidate of Technical Sciences, Associate Professor
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Web of Science ResearcherID:	NTR-0041-2025
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Google Scholar:	https://scholar.google.com.ua/citations?hl=ru&user=Krpm2akAAAAJ
ResearchGate:	https://www.researchgate.net/profile/Yuliia-Malieieva?ev=hdr_xprf

EDUCATION:

Basic education (university, major, year of graduation):

National Aerospace University "Kharkiv Aviation Institute", Life safety, 2007

Postgraduate/Doctoral studies:

Candidate of Technical Sciences, National Aerospace University "Kharkiv Aviation Institute", 2012

Additional training, certification programs:

1. KPNZ "First Kyiv State Courses of Foreign Languages", Certificate №24994 (17.12.2018)
2. Innovative Integrated Computer Systems in Strategic Project Management, 30 hours, 13-16 of September 2022, Certificate KT №092022-26 (16.09.2022).
3. Sigma Software University, TEACHERS` SMARTUP: Winter Productivity, 30 hours (1 ECTS), Certificate SSWU TCHR002 (27.01.2023) .
4. Progressive teaching: components of the higher education quality system from the SC "Prohresylni", 30 hours (1 ECTS) (19.04.2023).
5. Sigma Software University, TEACHERS` SMARTUP: Summer Edition, 30 hours (1 ECTS) (26.01.2024).
6. Sigma Software University, TEACHERS` SMARTUP: Summer Edition, 30 hours (1 ECTS) (31.01.2025).

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Oct 2007 – Jun 2008	National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine, 1st category engineer of the Department of Information Management Systems
Sep 2008 – Jan 2013	National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine, junior research associate of the research department

Feb 2013 – Aug 2015	National Aerospace University “Kharkiv Aviation Institute”, Kharkiv, Ukraine, Research associate of the research department
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Teaching Experience:

Sep 2015 – Nov 2015	Assistant Professor, Department of Information Management Systems, National Aerospace University “Kharkiv Aviation Institute”, Kharkiv, Ukraine
Dec 2015 – Apr 2017	Senior Lecturer, Department of Information Management Systems, National Aerospace University “Kharkiv Aviation Institute”, Kharkiv, Ukraine
Mar 2017 – present	Associate Professor, Department of Computer Science and Information Technologies, National Aerospace University “Kharkiv Aviation Institute”, Kharkiv, Ukraine

Experience in International or National Projects:

2006-2008	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	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	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	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)
2016-2017	Executor	State budget project of young scientists “Methodological foundations of the development of unmanned aircraft using the example of multicopters”, National Aerospace University “Kharkiv Aviation Institute”, (No. 0116U005518, MES of Ukraine)
2018 – 2020	Executor	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	Executor	State project “Information technologies in management of logistics and distributed systems”, National Aerospace University “Kharkiv Aviation Institute” (No 0121U111437, MES of Ukraine)

2024 – 2026	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)
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RESEARCH ACTIVITIES:

Main Research Areas:

Project Management, Life cycle of complex equipment, Logistics, Mathematical Modeling

Number of Publications (Scopus, WoS, others):

Total publications: 125

Indexed in Scopus – 4

Others – 121

Monographs, Textbooks:

Textbooks – 7

Participation in Scientific Conferences:

Participation in more than 18 international scientific conferences during 2020–2025:

2025 - IV International Scientific and Technical Conference “Prospects for the development of mechanical engineering and transport-2025”, Vinnytsia, Ukraine.

2025 – Seventeenth International Scientific and Practical Conference “Modern Information and Innovative Technologies in Transport MINTT – 2025”, Odessa, Ukraine.

2025 – XVIII All-Ukrainian Scientific and Practical WEB Conference of Postgraduate Students, Students and Young Scientists “Computer Intelligent Systems and Networks” (KISM-2025), Ukraine.

2025 – Twenty-seventh International Youth Forum “Radio Electronics and Youth in the 21st Century”, Conference “Information Intelligent Systems”, Ukraine.

2024 – Fourteenth International Scientific and Technical Conference “Modern Trends in the Development of Information and Communication Technologies and Management Tools”, Ukraine.

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 – XVII International Conference “Project Management for the Development of Partnership”. Kiev, Ukraine.

2020 – IEEE 15th International Scientific and Technical Conference on Computer Sciences and Information Technologies (CSIT), Ukraine.

TEACHING ACTIVITIES:

Courses Taught:

1. Statistical and probabilistic methods of data analysis, (Bachelor), National Aerospace University “Kharkiv Aviation Institute”
2. Data analysis in information systems, (Bachelor), National Aerospace University “Kharkiv

Aviation Institute"

3. Optimization of solutions in computer management systems, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
4. Methods of research and optimization of business solutions (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
5. Fundamentals of Information Systems Testing, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
6. Information systems design, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
7. System analysis, (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
8. Geoinformation technologies in the management of complex systems (Master), National Aerospace University "Kharkiv Aviation Institute"
9. Information technologies for corporate governance and strategic management (Master), National Aerospace University "Kharkiv Aviation Institute"

Author Courses, Academic Programs:

1. Geoinformation technologies in the management of complex systems (Master), National Aerospace University "Kharkiv Aviation Institute"
2. Information technologies for corporate governance and strategic management (Master), National Aerospace University "Kharkiv Aviation Institute"

Methodological Materials, Textbooks:

1. Malyeyeva O.V., Bilokin Yu.A., Getmanskaya A.Yu., Elizeva A.V. Probability theory, probability processes and mathematical statistics. Textbook for completing coursework: textbook. Kh.: National Aerospace University named after M. E. Zhukovsky "Kharkiv Aviation Institute", 2014. – 40 p.
2. Popov V.A., Bilokin Yu.A., Eremenko N.V. Probability models of information system analysis: textbook. Kh.: National Aerospace University named after M. E. Zhukovsky "Kharkiv Aviation Institute", 2016. – 72 p.
3. Malyeyeva O.V., Bilokin Yu.A. Problems of operations research in production information systems. Textbook for practical classes. Kh.: National Aerospace University M. E. Zhukovsky "Kharkiv Aviation Institute", 2018. – 64 p.
4. 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.
5. Solyanyk T. M., Malieieva Yu. A., Popov A. V. Methodology for the implementation of bachelor's degree projects in the specialty 122 "Computer Science". Textbook. Kh.: National Aerospace University "Kharkiv Aviation Institute", 2019. – 72 p.
6. 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.
7. 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:

None

Grants, Scholarships, Academic Mobility Programs:

2017	10th International Doctoral Students Workshop on Logistics, Magdeburg, Germany) with the support of the European Union's Horizon 2020 research and innovation programme (grant agreement No. 692426).
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PROFESSIONAL ACHIEVEMENTS AND AWARDS:**Honorary Titles:**

None

Distinctions, Awards, Prizes:

2018	2nd place in the "Ikari-KHAI" competition of professional skills, nomination The best student mentor
2023	Honorary diploma of the Executive Committee of the City Council

Membership in Professional Associations:

None

INTERNATIONAL ACTIVITIES:**Internships:**

None

Cooperation with Foreign Universities:

None

Teaching/Lecturing Abroad:

None

SELECTED PUBLICATIONS:**Key Articles (Scopus, WoS, others):**

1. Vadym Mukhin, Yury Romanenkov, Julia Bilokin, Anton Rohovyi, Anna Kharazii, Viktor Kosenko, Nataliia Kosenko, Jun Su, "The Method of Variant Synthesis of Information and Communication Network Structures on the Basis of the Graph and Set-Theoretical Models", International Journal of Intelligent Systems and Applications(IJISA), Vol.9, No.11, pp.42-51, 2017. DOI:10.5815/ijisa.2017.11.06
2. Malieieva, J., Kosenko, V., Malyeyeva, O., & Svetlichnyj, D. (2019). CREATION OF COLLABORATIVE DEVELOPMENT ENVIRONMENT IN THE SYSTEM OF DISTANCE LEARNING. INNOVATIVE TECHNOLOGIES AND SCIENTIFIC SOLUTIONS FOR INDUSTRIES, (2 (8), 62–71. <https://doi.org/10.30837/2522-9818.2019.8.062>
3. Malieieva, J., Malyeyeva, O., Demchenko, A., & Piddubna, L. (2020). INFORMATION SUPPORT FOR CROWDFUNDING AND INVESTING PROJECTS. INNOVATIVE TECHNOLOGIES AND SCIENTIFIC SOLUTIONS FOR INDUSTRIES, (3 (13), 34–42. <https://doi.org/10.30837/ITSSI.2020.13.034>
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. Fedorovych, O., Lutai, L., Malieieva, Y., Zamirets, I., & Pisklova, T. (2023). Simulation of complex formation of military equipment stocks in a combat zone using the component method. *Aerospace Technic and Technology*, 0(2), 56-66. doi:<https://doi.org/10.32620/aktt.2023.2.06>
6. Nabokin D.V., Malyeyeva O.V., Malieieva Yu.A. Selection of the most effective transportation route taking into account the indices of danger of territories in wartime conditions. *Control, navigation and communication systems*, 2024, No. 3, P. 130-134 <https://doi.org/10.26906/SUNZ.2024.3.141>
7. Kikot, M., & Malieieva, J. (2024). Models of forming logistics infrastructure for complex equipment recycling. *INNOVATIVE TECHNOLOGIES AND SCIENTIFIC SOLUTIONS FOR INDUSTRIES*, (3 (29), 15–28. <https://doi.org/10.30837/2522-9818.2024.3.015>
8. Fedorovich, O., Krytskyi, D., Leshchenko, O., Yashina, O., & Malieieva, Y. (2024). Modeling waves of a strike drones swarm for a massive attack on enemy targets. *Radioelectronic and Computer Systems*, 2024(2), 203-212. doi:<https://doi.org/10.32620/reks.2024.2.16>
9. Fedorovich, O., Zamirets, O., Popov, A., Hubka, O., Malieieva, Y., & Rybka, A. (2025). Modeling of threats to critical infrastructure objects for the creation of defenses against swarm attacks by strike drones. *Aerospace Technic and Technology*, 0(4), 111–122. doi:<https://doi.org/10.32620/aktt.2025.4.11>

Books, Chapters in Collective Monographs:

None

Links to Citation Database Profiles:

<https://www.scopus.com/authid/detail.uri?authorId=57249873700>
<https://scholar.google.com.ua/citations?hl=ru&user=Krpm2akAAAAJ>
<https://www.webofscience.com/wos/author/record/NTR-0041-2025>
https://www.researchgate.net/profile/Yuliia-Malieieva?ev=hdr_xprf

ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian: Native

English: Upper-Intermediate (B2), KPNZ "First Kyiv State Courses of Foreign Languages", Certificate №24994 (17.12.2018).

IT Skills:

Data Analysis and Visualization: Statistica (professional) / POM QM / QGIS / MS Project / Project Expert, JIRA, Trello

Microsoft Office / Microsoft Excel / Zoom / Microsoft Powerpoint / Skype /

Social and Community Activities:

Responsible for pre-university training

Responsible for organizing internships

