



Name	Oleksandr Zheltukhin
Position, Department/Faculty	Senior lecturer, Department of Computer Systems, Networks and Cybersecurity, Faculty of Radio Electronics, Computer Systems and Infocommunications
Academic Degree, Academic Title	
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Google Scholar:	https://scholar.google.com/citations?user=Uaz_aoUAAAAJ&hl=ru
ResearchGate:	

EDUCATION:

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

National Aerospace University "Kharkiv Aviation Institute", Master of Design and production of electronic equipment, 1986

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

[1986-1988] engineer Department of data center of Aircraft Kharkiv Aviation Institute

Teaching Experience:

[1988-2025] - assistant, senior lecturer, of the Department of Computer Systems, Networks and Cybersecurity at National Aerospace University "Kharkiv Aviation Institute"

Experience in International or National Projects:

37 years

RESEARCH ACTIVITIES:

Main Research Areas:

Hardware design

Number of Publications (Scopus, WoS, others):

More than 14 scientific publishes.

Monographs, Textbooks:

Author and co-author of more than 4 textbooks

Participation in Scientific Conferences:

Took part in the work of more than 5 scientific and technical conferences.

Regularly attend the seminars Critical Computer Technologies and Systems (CriCTecS) and Dependable Information Technologies.

TEACHING ACTIVITIES:

Courses Taught:

Designing hardware using microcontrollers and microprocessors and programming them

Author Courses, Academic Programs:

1. Computer electronics
2. Computer logic
3. Microprocessors of devices and their programming
4. Databa Programming of new systems. Safely installed systems
5. Features and IoT systems

Methodological Materials, Textbooks:

Zheltukhin A. V., Kulanov V. A., Kholodna Z. B., Kholodnyi M. F. Logical algebras and systems: a textbook. — Kh.: National Aerospace University "KhAI", 2009. — 36 p. Code: 519.

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Perepelitsyn, A.; Tetskyi, A.; Zheltukhin, O.; Mikhalevskyi, V. Analysis of Ways of Improvement of Notebook Repairability based on Universalization and Discrete Components Proceedings 2024 14th International Conference on Dependable Systems Services and Technologies Trustworthy AI Internet of Robotics and Big Data for A Safe and Secure World Dessert 2024
2024 | Conference paper
DOI: 10.1109/DESSERT65323.2024.11122035
2. Artem Tetskyi; Olexander Zheltukhin; Artem Perepelitsyn Building reliable laptops
3. based on simple replaceable components Aerospace Technic and Technology
2024-10-25 | Journal article | Author
DOI: 10.32620/aktt.2024.5.10
4. Tetskyi, A.; Zheltukhin, O.; Perepelitsyn, A. Method of Repairing Accumulators of Portable Electronics Under Limited Resources 2023 13th International Conference on Dependable Systems Services and Technologies Dessert 2023
2023 | Conference paper
DOI: 10.1109/DESSERT61349.2023.10416488
5. Artem Tetskyi; Artem Perepelitsyn; Olexander Zheltukhin Method for restoring laptop batteries in resource-constrained environments Aerospace Technic and Technology
2023-10-03 | Journal article | Author
DOI: 10.32620/aktt.2023.5.08
6. Perepelitsyn, A.; Duzhyi, V.; Vdovichenko, O.; Zheltukhin, O. Technologies of Embedded Systems Prototyping using Reconfigurable Nodes: Technical Solutions Proceedings of the 2022 IEEE 12th International Conference on Dependable Systems Services and Technologies Dessert 2022

2022 | Conference paper

DOI: 10.1109/DESSERT58054.2022.10018581

7. Oleksandr Vdovichenko; Artem Perepelitsyn; Viacheslav Duzhyi; Olexander Zheltukhin Method of remote diagnostics, reprogramming and reconfiguration of embedded system nodes

Aerospace Technic and Technology

2022-11-27 | Journal article | Author

DOI: 10.32620/aktt.2022.6.08

8. Igor Protsenko; Olexander Zheltukhin Development of an automated contactless personal identification system Radioelectronic and Computer Systems

2017-01-10 | Journal article

DOI: 10.32620/reks.2017.1.11

Books, Chapters in Collective Monographs:

Zheltukhin A. V., Kulanov V. A., Kholodna Z. B., Kholodnyi M. F. Logical algebras and systems: a textbook. — Kh.: National Aerospace University "KhAI", 2009. — 36 p. Code: 519.

Links to Citation Database Profiles:

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Google Scholar: https://scholar.google.com/citations?user=Uaz_aoUAAAAJ&hl=ru

ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian, Russian, English

IT Skills:

Operation systems: Microsoft Windows

Programming languages: assembler

Development tools: Silicon Laboratories IDE, Samba

Learning platform: Classroom, Mentor.

Social and Community Activities:

Academic group curator.