



Name	Oleksii Hubka
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
Email:	o.gubka@khai.edu
Scopus Author ID:	58941520700
Web of Science ResearcherID:	NSU-3914-2025
ORCID iD:	0009-0003-5375-0120
Google Scholar:	https://scholar.google.com/citations?user=h9coTggAAAAJ&hl=ua
ResearchGate:	-

EDUCATION:

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

Bachelor of information technology's National Aerospace University "Kharkiv Aviation Institute", [1996 – 2000]

Master of information technology's National Aerospace University "Kharkiv Aviation Institute", [2000 – 2001]

Postgraduate/Doctoral studies:

Candidate of Technical Sciences, National Aerospace University "Kharkiv Aviation Institute", 2005

Associate Professor, National Aerospace University "Kharkiv Aviation Institute", 2008

Additional training, certification programs:

None

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Sep 2001 – Aug 2007	Assistant, Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute" research activity, teaching.
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Sep 2007 - present	Associate Professor, Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute" research activity, teaching.
Feb 2000 – present	Freelance (Programming, Testing)
Jul 2013 – Jan 2024	Test Lead, LLC "Telesens Academy", Ukraine, Kharkiv

Teaching Experience:

Sep 2001 – Aug 2007	Assistant, Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine
Sep 2007 – present	Associate Professor, Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine
May 2013 – Jan 2024	Leading teacher, LLC "Telesens Academy", Kharkiv, Ukraine
Apr 2019 – Aug 2021	Leading teacher, LLC "Sigma Software", Kharkiv, Ukraine

RESEARCH ACTIVITIES:

Main Research Areas:

Programming (C#, Python), Testing (QA/QC), Operation systems, Computer architecture, Cybersecurity and information protection.

Number of Publications (Scopus, WoS, others):

Over 100 scientific publications, including indexed articles in Scopus and Web of Science databases; multiple conference proceedings and applied research outputs.

Monographs, Textbooks:

Co-author of 7 monographs and 3 textbooks in the fields of Programming, Testing, Operation systems, Computer architecture, Cybersecurity and information protection.

Participation in Scientific Conferences:

Regular participant (more 80) and speaker at international and national scientific conferences on information technology's, cybersecurity and information protection).

TEACHING ACTIVITIES:

Courses Taught:

1. Operation systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
2. Fundamentals of programming (C#) (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
3. Information systems testing (Bachelor), National Aerospace University "Kharkiv Aviation Institute"





4. Information protection technologies (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
5. Information protection in computer systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
6. Software systems testing (Bachelor), National Aerospace University "Kharkiv Aviation Institute"

Author Courses, Academic Programs:

1. Operation systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
2. Fundamentals of programming (C#) (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
3. Information systems testing (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
4. Information protection technologies (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
5. Information protection in computer systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
6. Software systems testing (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
7. Manual testing, LLC "Telesens Academy" , Kharkiv, Ukraine
8. QA Junior testing, LLC "Telesens Academy" , Kharkiv, Ukraine
9. Software testing, Kharkiv Regional Employment Center, Kharkiv, Ukraine
10. Operation systems, LLC Sigma Software, Kharkiv, Ukraine

Methodological Materials, Textbooks:

Co-author of textbooks in the field of information technology's, cybersecurity and information protection. Developed electronic resources and video materials for hybrid and online teaching (LMS: Pilot, Moodle)

GRANTS AND PROJECTS:

None

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

None



Membership in Professional Associations:

2021 – present	Member of the PO Ukrainian Scientific and Educational IT Society
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INTERNATIONAL ACTIVITIES:

None



NATIONAL AEROSPACE UNIVERSITY
«KHARKIV AVIATION INSTITUTE»





SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Fedorovich, O., Lukhanin, M., Prokhorov, O., Slomchynskiy, O., Hubka, O., Leshchenko, Y. Simulation of arms distribution strategies by combat zones to create military parity of forces. Radioelectronic and Computer Systems, 2023, (4), 209-220.
<https://doi.org/10.32620/reks.2023.4.15>
2. Oleg Fedorovych, Leonid Malieiev, Oleksii Hubka, Andrei Popov Modeling of project activities for UAV modernization to conduct swarm drone attack missions Aerospace Technic and Technology, 2025, no.2 (202) pp. 81-92. DOI: 10.32620/aktt.2025.2.8.
3. Oleg Fedorovich, Dmytro Krytskyi, Oleksii Hubka, Andrei Popov Modeling the series of military actions to plan an attack mission of a swarm drones. Radioelektronni i komp'uterni sistemi – Radioelectronic and computer systems, 2025, no. 2, pp. 46-63. DOI: 10.32620/reks.2025.2.03

Books, Chapters in Collective Monographs:

1. Hubka S.O., Hubka O.S., Dergachov V.A. Hardware security of information systems/Monograph - Svid. about the registry author. rights No. 84255. – Register. at the Ministry of Economic Development and Trade of Ukraine 01/10/2019. application 11/13/2018, No. 85239. – 99 p.
2. Hubka S.O., Hubka O.S., Dergachov V.A. Logical processors/ Monograph - Svid. about the registry author. rights No. 84710. – Register. at the Ministry of Economic Development and Trade of Ukraine on January 22, 2019. application 01/03/2019, No. 86611. – 84 p.
3. Fedorovich O.E., Hubka S.O., Hubka O.S., Dergachov V.A. Information systems. Algorithmic approach / Monograph - Svet. about the registry author No. 90477. – Register. at the Ministry of Economic Development and Trade of Ukraine 07/05/2019. appl. 03.0062019, No. 91367.- 323 p.
4. Hubka S.O., Hubka O.S., Dergachov V.A. Algorithmic transformations in information systems / Monograph - Svet. about the registry author No. 95024. – Register. at the Ministry of Economic Development and Trade of Ukraine on December 26, 2019. application 12/12/2019, No. 96491.- 358 p.
5. Fedorovich O.E., Hubka S.O., Hubka O.S., Dergachov V.A. Information and diagnostic systems / Monograph - Svet. about the registry author No. 95719. – Register. at the Ministry of Economic Development and Trade of Ukraine 01/31/2020. Application 01/28/2020, No. 97291.- 273 p.

Links to Citation Database Profiles:

<https://www.scopus.com/authid/detail.uri?authorId=57194520881>
<https://www.webofscience.com/wos/author/record/NSU-3914-2025>
<https://www.scopus.com/authid/detail.uri?authorId=58941520700>

ADDITIONAL INFORMATION:

Language Proficiency:

Language	Proficiency Level	Certification / Notes
Ukrainian	Native	
English	Upper-Intermediate (B2)	Certificate 89B504F317DQ97, issued by LangSkill, UK , 29.06.2025

IT Skills:

Category	Skills / Tools	Level / Experience	Notes / Context
Programming	C#, Python, HTML, CSS	Advanced	Courses, research, commercial projects
Databases	MS SQL, MySQL, PostgreSQL, MongoDB	Advanced	Research and applied projects
Bug Tracking System	Jira, Mantis, Redmine, 16 bugs	Advanced	Courses, research, commercial projects
Office Program	MS Office, Google Docs, Adobe Photoshop, Zoom, Team.	Advanced	Courses, research, commercial projects
Operation systems	MS DOS, Windows, MacOS, Linux (Ubuntu, Debian, Fedora) , Unix (FreeBSD), Android, iOS	Advanced	Courses, research, commercial projects

Social and Community Activities:

1. Organizer and regular host of webinars aimed at career guidance, promotion of science, and modern information technologies among youth.
2. Participation in faculty and university career guidance activities, including offsite events, interactive exhibitions, and open days.