Name	Leonid Smidovych
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:	l.smidovych@khai.edu
Scopus Author ID:	
Web of Science ResearcherID:	NRY-7588-2025
ORCID iD:	0000-0001-6156-9506
Google Scholar:	https://scholar.google.com/citations?user=e1reoMQAAAAJ
ResearchGate:	https://www.researchgate.net/profile/Leonid-Smidovych

EDUCATION:

Basic education (university, major, year of graduation):
Kharkiv Aviation Institute, Computer and automated systems software, 1993

Postgraduate/Doctoral studies:
Candidate of Technical Sciences, National Aerospace University "Kharkiv Aviation Institute", 1997

Additional training, certification programs:
"Internationsl Experience in the Field of Publishing", Scientific and educational center "Scientific Publications", Ukraine, completed a 30-hour (1 ECTS) training program. Certificate No. AA 3722 (11.02.2022).
"AI in Education", NGO "Progressive" with the support of the Ministry of Digital Transformation of Ukraine and the Ministry of Education and Science of Ukraine, completed a 45-hour (1.5 ECTS) training program. Certificate No. ВКШІО-3612 (09.06.2025).

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Jan 2005 – Apr 2019	Engeneer / Lead Engineer of Billing Systems Automation Department, PJSC Datagroup, Kharkiv Regional Office

Teaching Experience:

Sep 1999 – Apr 2005	Assistant, Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine
Apr 2005 – present	Associate Professor, 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:

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)
2025 - 2027	Executor	State budget project, closed topic (No 0125U001562, MES of Ukraine)

RESEARCH ACTIVITIES:

Main Research Areas:
Information modeling of telecommunications networks, information systems and processes of telecommunications, business process automation.

Number of Publications (Scopus, WoS, others):
Total publications: 118
Indexed in Scopus – 0
Copyright certificates (Computer Programs) – 4
Others – 114

Monographs, Textbooks:
Textbooks – 11

Participation in Scientific Conferences:
Participation in more than 15 international scientific conferences during 2020–2025:
2025 – International Scientific and Practical Conference "Information Systems and Innovative Technologies for Project and Program Management" , Ukraine.
2025 – XV International Scientific and Technical Conference "Current Directions of Development of Information and Communication Technologies and Control Tools", Ukraine.
2024 – XII International Scientific and Technical Conference "Problems of informatization", Ukraine.
2024 – XIV International Scientific and Technical Conference "Current Directions of Development of Information and Communication Technologies and Control Tools", Ukraine.
2023 – XI International Scientific and Technical Conference "Problems of informatization", Ukraine.
2023 – XIII International Scientific and Technical Conference "Current Directions of Development of Information and Communication Technologies and Control Tools", Ukraine.
2022 – X International Scientific and Technical Conference "Problems of informatization", Ukraine.
2021 – XI International Scientific and Technical Conference "Current Directions of Development of Information and Communication Technologies and Control Tools", Ukraine.
2021 – IX International Scientific and Technical Conference "Problems of informatization", Ukraine.

2020 – X International Scientific and Technical Conference "Current Directions of Development of
2020 – VIII International Scientific and Technical Conference "Problems of informatization", Ukraine.
2020 – XXX All-Ukrainian Conference "New Technologies in Mechanical Engineering", Ukraine.
2019 – International Scientific and Technical Conference "Integrated Computer Technologies in Mechanical Engineering", Ukraine.

TEACHING ACTIVITIES:

Courses Taught:
1. Web-technologies and Web-design (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
2. Web-technologies in Information Systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
3. Web-application development (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
4. IS Design Using the Internet Web Service, (Master), National Aerospace University "Kharkiv Aviation Institute"
5. Methods and Tools of computer information technology (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
6. Information Systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"

Author Courses, Academic Programs:
1. Web-technologies and Web-design (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
2. Web-technologies in Information Systems (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
3. Web-application development (Bachelor), National Aerospace University "Kharkiv Aviation Institute"
4. IS Design Using the Internet Web Service, (Master), National Aerospace University "Kharkiv Aviation Institute"
5. Methods and Tools of computer information technology (Bachelor), National Aerospace University "Kharkiv Aviation Institute"

Methodological Materials, Textbooks:
None

GRANTS AND PROJECTS:

Participation in International and National Projects:
None

Grants, Scholarships, Academic Mobility Programs:
None

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:
None

Distinctions, Awards, Prizes:

1999 – 2000	Scholarship holder of the Cabinet of Ministers of Ukraine for young scientists

Membership in Professional Associations:

Member of the PO Ukrainian Scientific and Educational IT Society

INTERNATIONAL ACTIVITIES:

Internships:
None

Cooperation with Foreign Universities:
None

Teaching/Lecturing Abroad:
None

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):
1. L. Smidovych, O. Artiukh, N. Kosenko. Automation of test items quality analysis and it students test results assessment. Innovative Technologies and Scientific Solutions for Industries. – 2020. – no. 1 (11), – P. 19-27. DOI: https://doi.org/10.30837/2522-9818.2020.11.019 .
2. L. Smidovych. Use of the statistical analysis methods to detect voip network traffic anomalies. Bulletin of National Technical University "KhPI". Series: System Analysis, Control and Information Technologies. – 2020. – no. 1 (3). – P. 3-8. DOI: https://doi.org/10.20998/2079-0023.2020.01.01
3. L. Smidovych, Y. Davydovskyi. Processes of the Telecom Operator's Information Architecture Transformation. Innovative Technologies and Scientific Solutions for Industries. – 2022. – no 1 (19) – P. 47-54. DOI: https://doi.org/10.30837/ITSSI.2022.19.047
4. S. Semenov, M. Zhang, S. Yenhalychev, L. Smidovych. Generalized Model of the Ads-B Unmanned Aerial Vehicle Data Transmission Process in a Steganographic System. Innovative Technologies and Scientific Solutions for Industries. – 2022. – no. 4 (22). P. 14-19. DOI: https://doi.org/10.30837/ITSSI.2022.22.014
5. O. Fedorovych, O. Slomchynskyi, A. Yelizieva, L. Smidovych, E. Yashina. Models for studying the stability of high-tech productions in modern political and economic conditions. Aerospace Technic and Technology . – 2023. – no. 4 (2023). – P. 92-100. DOI: https://doi.org/10.32620/aktt.2023.4.12
6. L. Smidovych, Y. Kulyk, M.Momot. Telecommunication Operator's Transition to Omnichannel Architecture. Innovative Technologies and Scientific Solutions for Industries. – 2024. – no. 4 (30), – P. 165-174. DOI: https://doi.org/10.30837/2522-9818.2024.4.165

Books, Chapters in Collective Monographs:
None

Links to Citation Database Profiles:
https://scholar.google.com/citations?user=e1reoMQAAAAJ
https://www.webofscience.com/wos/author/record/NRY-7588-2025

NATIONAL AEROSPACE UNIVERSITY
«KHARKIV AVIATION INSTITUTE»

ADDITIONAL INFORMATION:

Language Proficiency:

Language	Proficiency Level	Certification / Notes
Ukrainian	Native	
English	Intermediate (B1)	EDES. "Business English" CEFR B1+ level, 01.2025

IT Skills:

Category	Skills / Tools	Level / Experience	Notes / Context
Programming	C/C++, Pascal, JS, PHP	Advanced	Courses, research, and industrial projects
Databases	PostgreSQL, MySQL	Advanced	Research, industrial and applied projects
Web	HTML, CSS, HTTP, XML	Advanced	Courses, research, and applied projects
Modelling and Development support	Power Designer, Visio, VSC, SOAP-UI, Wireshark, plant uml	Advanced	Industrial and applied projects
Tools & Collaboration	Jira, Confluence, Git, MS Teams, Google services	Intermediate	Telco industrial projects, collaborative development
AI tools	Chat GPT, Gemini	Intermediate	Content, research

Social and Community Activities:
1. Partisipant of webinars aimed at career guidance, promotion of science, and modern information technologies among youth.