



<b>Name</b>	Pavlo Luchshev
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## EDUCATION:

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

University: Kharkiv Aviation Institute named after M.E. Zhukovsky

Degree: Specialist in Software for Computers and Automated Systems

Qualification: Software Engineer

Year of Graduation: 1995

### Postgraduate/Doctoral studies:

National Aerospace University named after M.E. Zhukovsky «Kharkiv Aviation Institute»

Specialty 05.13.06 – Information Technologies [1995 – 1998]

### Additional training, certification programs:

- Online Course «Specialized AI services for use in writing scientific articles».  
NGO Kharkiv IT Cluster (August 2025).
- Online Course «Modern approaches to the organization and automation of scientific activity with AI». NGO Kharkiv IT Cluster (August 2025).
- Online Course «The Big Course on AI in Education».  
Ministry of Digital Transformation of Ukraine & NGO «Progresylni» (June 2025).
- Online Course «Interdisciplinarity in Teaching: A Master Class».  
Ministry of Digital Transformation of Ukraine & NGO «Progresylni» (March 2025).
- Online Course «Teachers' Smart Up: Winter Edition 2025».  
Sigma Software University (February 2025).
- Online Course «Emotional Health of Educators: Psychological Resilience and Self-Care».  
Ministry of Digital Transformation of Ukraine & NGO «Progresylni» (November 2024).
- Online Course "Innovative Teaching: From Design Thinking to Artificial Intelligence".  
Ministry of Digital Transformation of Ukraine & NGO «Progresylni» (November 2024).
- Online Course «Teachers' Smart Up: Summer Edition».  
Sigma Software University (July 2024).

- Online Course «Progressive Teaching: An Intensive from the Islanders». Ministry of Digital Transformation of Ukraine & NGO «Progresylni» (April 2024).

## **WORK EXPERIENCE:**

### **Professional Career (Workplace, Years, Position):**

Software Engineering Department, National Aerospace University National Aerospace University «Kharkiv Aviation Institute»:

- Associate Professor, [15.09.2010 – present]
- Senior Lecturer, [01.07.2000 – 14.09.2010]
- Assistant, [01.09.1997 – 30.06.2000]

### **Teaching Experience:**

Teaching experience of over 25 years:

- Course syllabuses and courses development
- Conducting lectures and practical classes
- Mentoring student projects and team-based learning

## **RESEARCH ACTIVITIES:**

### **Main Research Areas:**

Software engineering

### **Number of Publications (Scopus, WoS, others):**

Over 45 scientific publications, including indexed articles in Scopus/WoS.

### **Monographs, Textbooks:**

Co-author of 15 textbooks in the fields of software development.

### **Participation in Scientific Conferences:**

Regular participant at international and national scientific conferences.

## **TEACHING ACTIVITIES:**

### **Courses Taught:**

- Lecturer of the undergraduate discipline: «Computer Graphics with OpenGL»;
- Lecturer of the undergraduate discipline: «Software Architecture .Net»;
- Lecturer of the undergraduate discipline: «Virtual Reality Programming»;
- Assistant of the undergraduate discipline: «Object-Oriented Programming (C#)».

### **Author Courses:**

- Computer Graphics with OpenGL;
- Software Architecture .Net;
- Virtual Reality Programming;
- Theory of virtual reality;
- Software Design Patterns for mission-critical systems.

### **Methodological Materials, Textbooks:**

Co-author of textbooks in the field of software development, programming and computer graphics



## GRANTS AND PROJECTS:

### Participation in International and National Projects:

- «Software development technologies for Internet of Things and cloud services ecosystem platforms», National Aerospace University named after M.E. Zhukovsky «Kharkiv Aviation Institute», State registration number: 0224U001872, 01.01.2021 – 31.12.2023
- «Intellectualization of Internet of Things software», National Aerospace University named after M.E. Zhukovsky «Kharkiv Aviation Institute», State registration number: 0221U100711, 01.01.2018 - 31.12.2020

## PROFESSIONAL ACHIEVEMENTS AND AWARDS:

### Membership in Professional Associations:

NGO «Progresylni» (Educators' Association) [2024 – present]

## INTERNATIONAL ACTIVITIES:

### Internships:

Training program «Nowoczesna Uczelnia. Nowoczesna dydakta» («Modern University. Modern education»), August – September, 2025 at Civitas University, Poland.

## SELECTED PUBLICATIONS:

### Books, Chapters in Collective Monographs:

Turkin I. B., Lushchev P. A., Sokolova E. V. Software for automated testing of complex technical systems [Monograph]. Kharkiv: National Aerospace University, 2012. 212 p.

### Links to Citation Database Profiles:

<https://www.webofscience.com/wos/author/record/AAJ-6002-2021>

<https://www.scopus.com/authid/detail.uri?authorId=57218093976>

[https://scholar.google.com/citations?user=QwmKD\\_0AAAAJ](https://scholar.google.com/citations?user=QwmKD_0AAAAJ)

<https://www.researchgate.net/profile/Pavlo-Luchshev>

<https://orcid.org/0000-0002-3522-7622>

## ADDITIONAL INFORMATION:

### Language Proficiency:

- Ukrainian
- English
- Russian

### IT Skills:

- Basic (OS: Windows; Computer Architecture; Data Structures & Algorithms; MS Office)
- Programming (C/C++, C#, Pascal, Python, VBA, Fortran77)
- Software Engineering (SDLC, Design Patterns, UML)
- Development (IDE: Visual Studio; VCS: Git/GitHub; APIs & Frameworks: OpenGL, WinAPI, .NET)
- Testing and QA (Unit Testing: xUnit; Test-Driven Development)
- Soft Skills (LMS: Moodle, Google Classroom, GitHub Classroom)