



Name	Andrii ZELENKOV
Position, Department/Faculty	Associate Professor of the Department of Software Engineering
Academic Degree, Academic Title	Candidate of Technical Sciences, Associate Professor
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ResearchGate:	https://www.researchgate.net/profile/Andrii-Zelenkov

EDUCATION:

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

Master of Aircraft Control Systems
Kharkiv Aviation Institute [01/09/1988 – 24/02/1994]

Postgraduate/Doctoral studies:

Candidate of Technical Sciences
National Aerospace University «Kharkiv Aviation Institute» [01/09/1994 – 14/10/1998]

Additional training, certification programs:

Certificate of completion of the course «On Being a Scientist Course authorized by European Academy of Sciences and Research», Hamburg, Germany, 2021

Certificate of Participation in the workshop «Jira workshop: from first setup to expert level», IAMP, November, 14 2022

SSWU TCHR002: TEACHERS' SMARTUP: WINTER PRODUCTIVITY, 30 hours (1 ECTS), SIGMA Software University, 23-27.01.2023

Certificate of completion of the course «IT Tools for Teachers», 18 hours, GlobalLogic, July 2023

SSWU : Teachers' Smart Up: Winter Edition 3.0 2024, 30 hours (1 ECTS), SIGMA Software University, 22-26.01.2024

Certificate of successfully completed the online course «The Fundamentals of Software Testing» in QATestLab Training Center, 25.01.2024

Sigma Software University : Teachers Smart Up: Winter Edition 2025, 30 hours (1 ECTS), 27- 31.01.2025

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Associate Professor of the Department of Software Engineering, National Aerospace University «Kharkiv Aviation Institute» [01/09/2021 – Current] research activity, teaching (course Software requirements analysis, mobile application testing, business analysis basics, IT collaboration basics, organizational design and automation of enterprise management processes, OMG Essence)



Associate Professor of the Department of Management, National Aerospace University «Kharkiv Aviation Institute» [01/01/2001 – 31/08/2021] research activity, teaching (course Information technology in management, systems theory and systems analysis, Information technology in logistics), Deputy Dean, Deputy Head of Department, Executive Secretary of the Faculty Admissions Committee.

Director of the Scientific and Technical Center «System» [01/01/2000 – 30/10/2001] company management.

Assistant Professor at the Department of Aircraft Control Systems, National Aerospace University «Kharkiv Aviation Institute» [01/07/1998 – 31/12/2000] research activity, teaching (course theory of automatic control systems, aircraft stabilization and orientation systems, air traffic control)

Engineer of the North-Eastern Scientific Center of the National Academy of Sciences of Ukraine [01/02/1992 – 01/06/2001] research activity, project work.

Teaching Experience:

Associate Professor of the Department of Software Engineering, Associate Professor of the Department of Management, Assistant Professor at the Department of Aircraft Control Systems National Aerospace University «Kharkiv Aviation Institute» [01/07/1998 – Current]

RESEARCH ACTIVITIES:

Main Research Areas:

computer engineering and programming, business analysis and software requirements development, enterprise business process automation, software testing, Internet of Things, IT project management.

Number of Publications (Scopus, WoS, others):

Over 70 scientific publications, including indexed articles in Scopus

Monographs, Textbooks:

Co-author of 13 textbooks in the fields of enterprise business process automation, software requirements development, software testing, automatic control systems , management and organizational modeling.

Participation in Scientific Conferences:

Regular participant (more 20) and speaker at international and national scientific conferences

TEACHING ACTIVITIES:

Courses Taught:

Software Requirements Analysis, Mobile Application Testing, OMG Essence, Business Analysis Basics

Author Courses, Academic Programs:

Software Requirements Analysis, Mobile Application Testing, Business Analysis Basics, Organizational Design and Automation of Enterprise Management Processes, Information Technology in Management, Systems theory and systems analysis, Information technology in Logistics





Methodological Materials, Textbooks:

Co-author of textbooks in the field of software requirements development, software testing, enterprise business process automation, management and organizational modeling
Developed electronic resources and video materials for hybrid and online teaching.

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Distinctions, Awards, Prizes:

The Cabinet of Ministers of Ukraine Scholarship for Young Scientists

Membership in Professional Associations:

Ukrainian Scientific IT Society

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Turkin, I.; Leznovskyi, V.; Zelenkov, A.; Nabizade, A.; Volobuieva, L.; Turkina, V. The Use of IoT for Determination of Time and Frequency Vibration Characteristics of Industrial Equipment for Condition-Based Maintenance. *Computation* 2023, 11, 177. <https://doi.org/10.3390/computation11090177>
2. Accelerometer Calibration Method for Industrial Equipment Vibration Diagnostics / I.TURKIN, V. LEZNOVSKYI, A. ZELENKOV, V. TURKINA. // *Information Technology: Computer Science, Software Engineering and Cyber Security*. – 2022. – Issue 3. – P. 41–49. <https://doi.org/10.32782/IT/2022-3-6>
3. Zelenkov A., Mandrikova L., Borovkov Y. SOFTWARE LIFECYCLE MANAGEMENT BASED ON THE OMG ESSENCE STANDARD // *Aerospace Technic and Technology*. -2025. – Issue 2. –P.93-107. DOI: <https://doi.org/10.32620/aktt.2025.2.09>
5. Zelenkov A.V. Management of state authorities and local self-government bodies using quality standards and organizational models [Electronic resource]/ A.V. Zelenkov // *Global and national problems of economy*.- 2018. - Issue 23. <http://global-national.in.ua/issue-23-2018>

ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian (Native), English (A1)

IT Skills:

Microsoft Office / Trello / Jira / Confluence / MantisBT / TestRail / Microsoft Project / Essence WorkBench / Matlab / Maple / Zoom / Social Media / Moodle

