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<b>Position, Department/Faculty</b>	Associate Professor, Department of Information and Communication Technologies №504, Faculty of Radio-electronics, computer systems and information communications, National Aerospace University "Kharkiv Aviation Institute", Ukraine
<b>Academic Degree, Academic Title</b>	PhD in Technical Sciences (2012) / Candidate of Technical Sciences (2012), «-»
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<b>Google Scholar:</b>	<a href="https://scholar.google.com.ua/citations?user=90bqfK0AAAAJ">https://scholar.google.com.ua/citations?user=90bqfK0AAAAJ</a>
<b>ResearchGate:</b>	<a href="https://www.researchgate.net/scientific-contributions/Andrej-Vasilevic-Vorobev-2110515174">https://www.researchgate.net/scientific-contributions/Andrej-Vasilevic-Vorobev-2110515174</a>

## EDUCATION:

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

- National Aerospace University "Kharkiv Aviation Institute", "Electronic Devices" Bachelor's degree, 2007
- National Aerospace University "Kharkiv Aviation Institute", "Technology and telecommunication means" Specialist degree, 2008

### Postgraduate/Doctoral studies:

- Postgraduate studies, National Aerospace University "Kharkiv Aviation Institute", "Radio engineering devices and telecommunication means" Candidate of Technical Sciences (PhD), 2012

### Additional training, certification programs:

- English Language Training Course by Aisha Borseitova, 2025.
- "ChatGPT Prompt Engineering for Developers", deeplearning.ai, 2024.
- Professional Development Courses, National Aerospace University "Kharkiv Aviation Institute" (two times, last in 2025).





- English Language Courses, American English Center, Kharkiv, 2018.
- SPALAH IT-school: Web Development and Website LAYOUT Course – 2017 , JAVASCRIPT Course -2016, PHP Course - 2015.
- Cisco Networking Academy “NDG Linux Essentials”, National Aerospace University "Kharkiv Aviation Institute", 2016.
- CCNA 1 Networking Basics of the Cisco Networking Academy Program, National Aerospace University "Kharkiv Aviation Institute", 2008.

## WORK EXPERIENCE:

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

- 2025 – present — *Information Security Systems Manager & DevOps Engineer, SmartCode Solutions*
- 2023 – 2024 — *Web Developer, IngestAI Labs*
- 2022 – present — *Associate Professor, National Aerospace University "Kharkiv Aviation Institute"*.
- 2016 – present — *Software Engineer / Web Developer, Flexaspect (FlexMade)*
- 2013 – 2016 — *Associate Professor, National Aerospace University "Kharkiv Aviation Institute"*.
- 2012 – 2013 – *Senior Lecturer, National Aerospace University "Kharkiv Aviation Institute"*.
- 2011 – 2013 — *Teacher, Kharkov College of State University of Information and Communication Technologies.*
- 2011 – 2012 — *Assistant Professor, National Aerospace University "Kharkiv Aviation Institute"*.
- 2008 – 2016 — *Network Administrator, Engineer 1st category, Department #504, National Aerospace University "Kharkiv Aviation Institute"*.
- 2007 – 2008 — *Engineer (Design and Installation of Local Area Networks) in Salon "Special equipment"*.

### Teaching Experience:

- Over 10 years of teaching at **National Aerospace University "Kharkiv Aviation Institute"** and 2 years in **Kharkov College of State University of Information and Communication Technologies**.
- Courses taught: “Back-end Programming”, “Global Infocommunication Systems”, “Application of Artificial Intelligence” (previously: “Computer Networks”, “Global information infrastructure”, “Radio communication systems”, “Mathematical modeling of information systems”, “Fundamentals of Systems Theory”).
- Supervisor of bachelor’s and master’s theses (since 2012).
- Reviewer of bachelor’s theses, KhAI (since 2022).
- Head of student research group “*Modern Telecommunications*” (2014 – 2016, and later since 2024).



- Over 10 years curator (Academic Advisor) of a student groups – provided guidance, mentoring, and organizational support for students (several years of experience).

### **Experience in International or National Projects:**

- Participation in national scientific projects at KhAI (information security, distributed systems, AI applications).
- Experience in commercial international IT projects (Keller Sports, Keller Smiles, Medbridge, Myobis, Pounded, IngestAI Labs, Intersport).
- Membership of European Microwave Association (EuMA). EuMA Membership # AM4986

### **RESEARCH ACTIVITIES:**

#### **Main Research Areas:**

- Web developing, artificial intelligence applications;
- methods of traffic management and ensuring the quality of service in telecommunication networks, models and methods of load balancing;
- distributed systems, computer networks, information security.

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

- **Scopus:** 2 publications “Overview of wireless technologies for organizing sensor networks”, “Overview of possibilities to improve efficiency of self-organizing networks”

#### **Monographs, Textbooks:**

- Educational and methodological publications (lecture notes, practice guides, working programs): “Back-end Programming”, “Global Infocommunication Systems”, “Application of Artificial Intelligence”.
- Earlier also the same for courses: “Global information infrastructure”, “Radio communication systems”, “Mathematical modeling of information systems”, “Fundamentals of Systems Theory”, “Computer Networks”.

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

- Conference “2025 IEEE 6th KhPI Week on Advanced Technology”, “Image Representation by Atomic Functions: Features for Classification”. 2025.

### **TEACHING ACTIVITIES:**

#### **Courses Taught:**

- Now: “Back-end Programming”, “Global Infocommunication Systems”, “Application of Artificial Intelligence”.
- Earlier: “Global information infrastructure”, “Radio communication systems”, “Mathematical modeling of information systems”, “Fundamentals of Systems Theory”, “Computer Networks”.

### **Author Courses, Academic Programs:**

Developed educational programs in *“Back-end Programming”, “Global Infocommunication Systems”, “Application of Artificial Intelligence”*.

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

- Methodical materials *“Back-end Programming”, “Global Infocommunication Systems”, “Application of Artificial Intelligence”*.

## **GRANTS AND PROJECTS:**

### **Participation in International and National Projects:**

- Development projects (*“Keller Sports”, “Keller Smiles”, “Medbridge”, “Myobis”, “Pounded”, “IngestAI Labs”, “Intersport”*) for international IT companies (Germany, USA, Austria).

### **Grants, Scholarships, Academic Mobility Programs:**

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## **PROFESSIONAL ACHIEVEMENTS AND AWARDS:**

### **Honorary Titles:**

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### **Distinctions, Awards, Prizes:**

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### **Membership in Professional Associations:**

- Member of *European Microwave Association (EuMA)*, Membership № AM4986.

## **INTERNATIONAL ACTIVITIES:**

### **Internships:**

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### **Cooperation with Foreign Universities:**

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### **Teaching/Lecturing Abroad:**

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## **SELECTED PUBLICATIONS:**



### Key Articles (Scopus, WoS, others):

- “Overview of possibilities to improve efficiency of self-organizing networks”, Proskochylo, A., Vorobyov, A., Zriakhov, M., 2014 1st International Scientific Practical Conference Problems of Infocommunications Science and Technology Pic S and T 2014 Conference Proceedings ,pp.118.
- “Overview of wireless technologies for organizing sensor networks”, Proskochylo, A., Vorobyov, A., Zriakhov, M., Kravchuk, A., Akulynych, A., Lukin, V., 2015 2nd International Scientific Practical Conference Problems of Infocommunications Science and Technology Pic S and T 2015 Conference Proceedings ,pp.39.
- “Image Representation by Atomic Functions: Features for Classification”, Makarichev Viktor, Lukin Vladimir, Kryvenko Sergii, Brysina Iryna, Vorobiov Andrii, Kozhemiakina Nadiia, Conference “2025 IEEE 6th KhPI Week on Advanced Technology”. 2025.

### Books, Chapters in Collective Monographs:

- –

### Links to Citation Database Profiles:

- Scopus Author ID: 56485367300
- Web of Science ResearcherID: OJT-6645-2025
- ORCID iD: 0009-0003-8122-5665
- Google Scholar: <https://scholar.google.com.ua/citations?user=90bqfK0AAAAJ>
- ResearchGate: <https://www.researchgate.net/scientific-contributions/Andrej-Vasilevic-Vorobev-2110515174>

## ADDITIONAL INFORMATION:

### Language Proficiency:

- Ukrainian — C2 (Native)
- Russian — C2 (Native)
- English — C1 (Advanced, confirmed by internal FlexMade test; daily use in IT projects; passed Candidate minimum; attended AEC and private courses)

### IT Skills:

- Programming: PHP (Laravel, Yii, CodeIgniter, Lumen, WordPress, OpenCart), JavaScript (jQuery, Vue.js, React, Node.js, Express), Java, SQL, C++.
- Databases: MySQL, SQLite, MongoDB.
- Tools: Docker, Git, Jira, Trello, Webpack, Gulp.
- Servers: Apache, Nginx.
- Other: API integration (Google, Strava, Garmin, Fitbit, Komoot, Nike Run Club, etc.), DevOps, Information Security.
- Development and integration of E-commerce platforms using modern frameworks.

- Design and implementation of scalable solutions based on Microservices architecture.

### **Social and Community Activities:**

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- Organizer of alumni orchestra group and community cultural projects.
- Active in professional associations (*EuMA*).
- Participation in student scientific society at KhAI.
- Involvement in preserving the history of basketball, folk and orchestral music in Kharkiv, as well as the history of the National Aerospace University “KhAI”.