



<b>Name</b>	Nataliia Yeremenko
<b>Position, Department/Faculty</b>	Assistant Professor, Department of Computer Science and Information Technologies / Faculty of Aircraft Control Systems
<b>Academic Degree, Academic Title</b>	Candidate of Technical Sciences, Assistant Professor
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<b>ResearchGate:</b>	<a href="https://www.researchgate.net/profile/Nataliia-Eremenko?ev=hdr_xprf">https://www.researchgate.net/profile/Nataliia-Eremenko?ev=hdr_xprf</a>

## EDUCATION:

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

National Aerospace University "Kharkiv Aviation Institute", Information Control Systems and Technologies, 2007.

### Postgraduate/Doctoral studies:

Candidate of Technical Sciences, National Aerospace University "Kharkiv Aviation Institute", 2015.

### Additional training, certification programs:

## WORK EXPERIENCE:

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

#### Teaching Experience:

September 2015 – November 2015: Assistant of Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine.

December 2015 – November 2018: Senior Teacher of Department of Information Control Systems, National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine.

December 2018 – present: Assistant Professor of Department of Computer Science and Information Technologies, National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine.

### Experience in International or National Projects:

1. Executor of the state budget project "Development of the theoretical foundations of logistics management of the design, production, operation and disposal of aviation equipment", National Aerospace University "Kharkiv Aviation Institute" (No 0112U000104, MES of Ukraine, 2012 – 2014).
2. Executor of the state budget project "Development of theoretical foundations of distributed intelligent management of investment projects and programs of reform and development of the

machine-building complex of Ukraine", National Aerospace University "Kharkiv Aviation Institute" (Г302-8/2015-Ф, MES of Ukraine, 2015).

3. Executor of the state budget 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, 2018 – 2020).

## **RESEARCH ACTIVITIES:**

### **Main Research Areas:**

**Models and methods of discrete math, theory of algorithms, programming, simulation.**

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

**Total publications: 91**

**Indexed in Scopus – 1**

**Indexed in WoS – 0**

**Others – 90**

### **Monographs, Textbooks:**

Monographs – 1

Textbooks – 5

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

2024 – XIV International Scientific and Technical Conference "Modern trends in the development of information and communication technologies and management tools", Ukraine.

2024 – XXXIV All-Ukrainian Conference "New technologies in mechanical engineering", Ukraine.

2023 – XI International Scientific and Technical Conference "Problems of informatization", Ukraine.

2023 – VIII International Scientific and Technical Conference "Computer modeling and optimization of complex systems", Ukraine.

## **TEACHING ACTIVITIES:**

### **Courses Taught:**

1. Models and Methods of Discrete Math (Bachelor);

2. Algorithmic Foundations of Development of Information Technologies (Bachelor).

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

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

1. Popov V., Yeremenko N. Models and methods of research of information systems: Textbook / National Aerospace University "Kharkiv Aviation Institute". – Kharkiv: KhAI, 2017. – 76 p.

2. Fedorovich O., Yeremenko N. Analysis and modeling of complex systems: Textbook / National Aerospace University "Kharkiv Aviation Institute". – Kharkiv: KhAI, 2018. – 72 p.

## **GRANTS AND PROJECTS:**

**Participation in International and National Projects:**

None

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

None

**PROFESSIONAL ACHIEVEMENTS AND AWARDS:**

None

**Honorary Titles:**

None

**Distinctions, Awards, Prizes:**

None

**Membership in Professional Associations:****INTERNATIONAL ACTIVITIES:****Internships:****Cooperation with Foreign Universities:**

None

**Teaching/Lecturing Abroad:**

None

**SELECTED PUBLICATIONS:****Key Articles (Scopus, WoS, others):**

1. Nataliia V. Eremenko Igor S. Konstantinov, Sergej A. Lazarev, Julija I. Sergejeva. Logistical supply and sales management in heterogeneous cargo transport infrastructure // International Journal of Pharmacy & Technology. 2016. – Iss. No. 4. – P.
2. Федорович О.Є., Єременко Н.В. Управління логістикою в разнорідних транспортних мережах // Вісник Національного технічного університету ХПІ. Серія: Системний аналіз, управління та інформаційні технології. –2015. – № 58. – С. 109 – 115.
3. Fedorovych O., Yeremenko N., Puydenko V. Investigation of threats and vulnerability in the critical infrastructure of technogenic objects and systems // Aerospace Technic and Technology. –2017. – No 2 (99). – P. 84 – 88.

**Books, Chapters in Collective Monographs:****Links to Citation Database Profiles:**

<https://scholar.google.com/citations?user=mZMilh8AAAAJ&hl=ru>

<https://www.webofscience.com/wos/author/record/OAJ-9945-2025>

**ADDITIONAL INFORMATION:**



**Language Proficiency:**

**Ukrainian – native.**

**English – Upper-Intermediate.**

**IT Skills:**

Programming (C++, C#, Java), Databases (MS SQL, MySQL), Simulation (AnyLogic).

**Social and Community Activities:**

None

