



Name	Ihor Artomov
Position, Department/Faculty	Assistant Lecturer, Department of Design Information Technologies/ Faculty of Aircraft Engineering
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Scopus Author ID:	ID: 60004507400
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ORCID iD:	ID: 0009-0001-5368-2469
Google Scholar:	https://scholar.google.com/citations?user=WfjrQAEAAAAJ&hl=en
ResearchGate:	https://www.researchgate.net/scientific-contributions/Ihor-Artomov-2301343210

EDUCATION:

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

Kharkiv National University of Radioelectronics

Specialist degree with honours in "Laser and Optoelectronic Engineering" [2002 – 2003]

Kharkiv National University of Radioelectronics

Bachelor's degree with honours in "Laser and Optoelectronic Engineering" [1998 – 2002]

Additional training, certification programs:

Certificate of participation has demonstrated exceptional engagement and active participation in the Aviation Talks Boeing 2025 seminar series.

Certificate No. VKSHIO-0093, issued on 23.06.2025. Education Service Provider: NGO "Progressive" (26.05–09.06.2025). Comprehensive course on Artificial Intelligence in Education. Credits: 1.5 ECTS (45 hours).

https://drive.google.com/drive/folders/1ubkUVhh-lkI9oi7p_VTxcaH34c6mQCfU?usp=sharing

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

National Aerospace University "Kharkiv Aviation Institute" – Kharkiv, Ukraine

Assistant Lecturer at the Department of Design Information Technologies [2024 – Current]

Radian LLC – Kharkiv, Ukraine

Lead Engineer [2011 - 2022]

Radian LLC – Kharkiv, Ukraine

Engineer [2004 - 2010]

Teaching Experience:

National Aerospace University "Kharkiv Aviation Institute" – Kharkiv, Ukraine
Assistant Lecturer at the Department of Design Information Technologies [2024 – Current]

RESEARCH ACTIVITIES:**Main Research Areas:**

Unmanned Aerial Vehicles and Mathematical Modeling

Number of Publications (Scopus, WoS, others):

Scopus – 2

ORCID – 5

Scholar – 9

Participation in Scientific Conferences:

Alina Artomova and Ihor Artomov. Optimization of UAV Routes and Efficiency Enhancement Using Modern IT Technologies // ICTM 2024, LNNS 1473, pp. 1–11, 2025.

https://doi.org/10.1007/978-3-031-94845-9_19

Alina Artomova and Ihor Artomov. Methodology for Assessing the Efficiency of Generated UAV Flight Route Plans for Optimal Selection // SIEMS-2025, LNNS 1480, pp. 1–11, 2025.

https://doi.org/10.1007/978-3-031-95191-6_22

Artomov, I. V., Artomova, A. V. Innovative Solutions of Stratospheric Gliders for Observation and Reconnaissance. Information Technologies: Models, Algorithms, Systems (ITMAS – 2024): Proceedings of the 5th All-Ukrainian Scientific and Practical Online Conference (October 30–31, 2024). – Mykolaiv: Admiral Makarov National University, 2024. – pp. 199–203.

<https://itconf.nuos.edu.ua/2024/publications/innovative-solutions-of-using-stratospheric-sailplains-for-observation-and-recognition>

Novichenko, A. S., Artomov, I. V., Artomova, A. V. Prospects of UAV Route Planning for Strengthening Ukraine's Aviation Sector. Interdisciplinary Scientific and Practical Conference "Current Issues in the Development of Ukraine's Aerospace Industry: Engineering, Business, Law" [Electronic Resource]: Conference Proceedings, November 5, 2024, Kharkiv / Ministry of Education and Science of Ukraine, National Aerospace University named after M. E. Zhukovsky "Kharkiv Aviation Institute". – Kharkiv: KhAI, 2024. – pp. 191–197. <https://doi.org/10.32620/EBL.24>

<http://dspace.library.khai.edu/xmlui/handle/123456789/8336>

TEACHING ACTIVITIES:**Courses Taught:**

Digital circuitry (Electronic device circuitry)

Inter-computer communications (Computer networks)

Robotic systems software

System software (Operating systems)

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

Artomov, I.V., Krytskyi D.M., Artomova A.V. Development of a Method for Optimal Selection of Unmanned Aerial Vehicle Flight Routes. Information Systems and Networks. 2025. No. 18(1), pp. 76-88. <https://doi.org/10.23939/sisn2025.18.1.076>

Artomov, I.V., Krytskyi D.M., Artomova A.V. Issues and Methods of Trajectory Modeling for Stratospheric Gliders in Area Surveillance Applications. Science and Technology of the Air Force of Ukraine. 2025. No. 2(59). pp. 116-124. <https://doi.org/10.30748/nitps.2025.59.14>

Sopov, Y. O., Krytsky, D. M., Artomova, A. V., Artomov, I. V. Methodology for Constructing Trust-Based Routing in Swarm UAV Networks Based on Traffic Analysis and Anomaly Detection. Current State of Scientific Research and Technologies in Industry, 2025, No. 2(32), pp. 133–142. <https://doi.org/10.30837/2522-9818.2025.2.133>

Links to Citation Database Profiles:

WoS: <https://www.webofscience.com/wos/author/record/NTQ-5678-2025>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=60004507400>

ORCID: <https://orcid.org/0009-0001-5368-2469>

Scholar: <https://scholar.google.com/citations?user=WfjrQAEAAAJ&hl=en>

ADDITIONAL INFORMATION:**Language Proficiency:**

English – A2

IT Skills:

Web development (HTML 5, CSS 3, JS/TS; Frontend – React.js, Backend – Node.js)