



Name	Valentyn Pelykh
Position, Department/Faculty	Assistant Lecturer Department of Aircraft Strength (102) Faculty №1
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Web of Science ResearcherID:	JXX-5149-2024
ORCID ID:	0009-0007-5301-6697
Google Scholar:	https://scholar.google.com/citations?user=PkR8NMQAAAAJ&hl=uk
ResearchGate:	https://www.researchgate.net/profile/Pelykh-Valentyn

EDUCATION:

Basic education:

National Aerospace University “KhAI” – Master's degree with first class honours.
Mechanical Engineering. Mechanical Engineering.
2023 – 2024

National Aerospace University “KhAI” – Bachelor's degree with first class honours.
Aerospace engineering. Aerospace engineering.
2020 – 2023

Zaporizhzhia Aircraft College named by O. Ivchenko – Junior specialist's degree with honours.
Aerospace Engineering. Aviation and rocket and space technology.
2016 – 2020

Additional training, certification programs:

Delft University of Technology – Non-degree seeking student.
Aerospace Engineering. Fatigue of Structures & Materials.
2025

National Aviation University.
Aviation Legislation the training course, 2025

National Aviation University.
Fuel Tank Safety the training course, 2024

National Aviation University.
Instructor (Teacher) of Aviation Educational Institution the training program, 2023

National Technical University of Ukraine “Kyiv Polytechnic Institute”.
Fundamentals of aircraft design the training course, 2022 – 2023

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WORK EXPERIENCE:

Professional Career:

Stress Analyst, Progresstech-Ukraine
2024 – now

Stress Analyst, Apollo Spirit
2024 – now

Stress Analyst, Motor Sich JSC
2021 – 2024

Engineering Trainee, SE Ivchenko-Progress
2019

Engineering Trainee, Motor Sich JSC
2019

Teaching Experience:

Assistant Lecturer, National Aerospace University "KhAI"
2025 – now

Lecturer, Zaporizhzhia Aircraft Applied College named after O. Ivchenko
2023 – 2024

RESEARCH ACTIVITIES:

Main Research Areas:

Analytical methods for calculating typical aircraft structures for static strength and stability

Number of Publications (Scopus, WoS, others):

6 publications in scientific journals

Participation in Scientific Conferences:

17 conference participations

TEACHING ACTIVITIES:

Courses Taught:

Strength Analysis of Airplanes and Helicopters. Strength Analysis of Missile.

Methodological Materials, Textbooks:

Aircraft Strength Calculation

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

Pelykh, V., Kybalnyy, M., Dehtiarenko, S. (2024). Transport helicopter blade root cuff attachment modernization concepts. Science and Technology of the Air Force of Ukraine, (2(55)), 23–31. <https://doi.org/10.30748/nitps.2024.55.03>;

Pelykh, V., & Andryushchenko, V. (2024). Determination of the features of integrated design of civil long-range aircraft with transonic truss-braced wing at the preliminary design stage. Technology Audit and Production Reserves, 1(1(75)), 35–42. <https://doi.org/10.15587/2706-5448.2024.298600>;

ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian language – native speaker
English language – sufficient for work

IT Skills:

Microsoft Office – Excel (+VBA), Word, Power Point
ANSYS, FEMAP
Mathcad
CATIA, Solidworks