

Name	Olexander Betin
Position, Department/Faculty	Professor of Department of Rocket Design and Engineering
Academic Degree, Academic Title	Doctor of technical science
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Google Scholar:	https://scholar.google.com/citations?user=7-Dz3VAAAAAJ&hl=ru
ResearchGate:	[посилання]

EDUCATION:

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

Kharkiv Aviation Institute, Aircraft engineering, 1980.

Postgraduate/Doctoral studies:

Additional training, certification programs:

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Scientific Research Institute for Problems of Physical Modelling of Aircraft Flight Modes, 1982-2002, engineer, senior engineer, junior researcher, Head of the advanced development department

Teaching Experience:

National Aerospace University “Kharkiv Aviation Institute”, Professor and Head of the Department of Chemistry, Ecology and Expertise, 2002-2021

National Aerospace University “Kharkiv Aviation Institute”, Professor at the Department of Ecology and Technogenic Safety, 2021-2025

National Aerospace University “Kharkiv Aviation Institute”, Professor at the of the Department of Rocket Design and Engineering, 2025

Experience in International or National Projects:

RESEARCH ACTIVITIES:

Main Research Areas:

Design, manufacture, flight testing of large-scale free-flying dynamically similar models of aircraft. Conduct flight researches of critical flight modes on of large-scale free-flying dynamically similar models of aircraft.



Number of Publications (Scopus, WoS, others):
110

Monographs, Textbooks:

1. Environmental protection technologies of the aerospace technology manufacture
2. Determination of dimensions and mass-inertial parameters of free-flying dynamically similar aircraft models

Participation in Scientific Conferences:

ICTM:2021, ICTM:2022, ICTM:2023, ICTM:2024

TEACHING ACTIVITIES:

Courses Taught:

Mathematical support for solving engineering problems;
Testing of aerial vehicles and their systems;
Ground and flight testing of unmanned aerial vehicles

Author Courses, Academic Programs:

Mathematical support for solving engineering problems;
Testing of aerial vehicles and their systems;
Functional systems of aerospace engineering

Methodological Materials, Textbooks:

Functional systems of aerospace engineering;
Automated calculation of the main parameters of free-flying dynamically similar models;
Design of life support systems for aerospace engineering objects

GRANTS AND PROJECTS:

Participation in International and National Projects:

Grants, Scholarships, Academic Mobility Programs:

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:

Distinctions, Awards, Prizes:

Laureate of the State Prize of Ukraine in Science and Technology, work on aircraft engineering

Membership in Professional Associations:

INTERNATIONAL ACTIVITIES:

Internships:

Cooperation with Foreign Universities:





Teaching/Lecturing Abroad:

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Required Geometric Parameters of Inflatable Air Shock Absorbers of Parachute Platforms Bench Dynamically Similar Models. Lecture Notes in Networks and Systems, 2023, 657 LNNS, pp.123–133
2. Theoretical Foundations of Physical Modeling of the Descent and Landing Process of Controlled Precision Airborne Cargo Landing Systems. Lecture Notes in Networks and Systems, 2023, 657 LNNS, pp. 39–50
3. Parameters and Characteristics of Parachute Systems for Physical Modelling Precision Airborne Cargo Landing. Lecture Notes in Networks and Systems, 2024. LNNS; vol. 996, pp. 247-257.
4. Numerical Modelling in the Problem of Determining the Functional Capabilities of Free Flying Aircraft Models. Lecture Notes in Networks and Systems, 2025. LNNS; vol 1473, pp. 413-422.

Books, Chapters in Collective Monographs:

Links to Citation Database Profiles:

<https://www.scopus.com/authid/detail.uri?authorId=59182782300>

ADDITIONAL INFORMATION:

Language Proficiency:

Mother tongue(s): Russian | Ukrainian

IT Skills:

Microsoft Word / Microsoft Excel / Microsoft Office / Microsoft PowerPoint / Facebook / Zoom / Google Meet / Microsoft Teams / Viber / Telegram / WhatsApp / Mentor.khai / Canva

Social and Community Activities:

