Name	Denys Betin
Position, Department/Faculty	Associate Professor of Department of Rocket Design and Engineering
Academic Degree, Academic Title	Candidate of technical science
Email:	d.betin@khai.edu
Scopus Author ID:	https://www.scopus.com/authid/detail.uri?authorId=57484899000
Web of Science ResearcherID:	[ID]
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Google Scholar:	https://scholar.google.com/citations?user=rFeazYsAAAAJ&hl=ru
ResearchGate:	[посилання]

EDUCATION:

Basic education (university, major, year of graduation):
National Aerospace University “Kharkiv Aviation Institute”, Aircraft and helicopters, 2006.

Postgraduate/Doctoral studies:
Graduate School (2006-2009)

Additional training, certification programs:

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):
Scientific Research Institute for Problems of Physical Modelling of Aircraft Flight Modes, 2004-2010, engineer

Teaching Experience:
National Aerospace University “Kharkiv Aviation Institute”, senior lecturer and assistant professor of the Department of Rocket Design and Engineering, 2010-2025

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):
33

Monographs, Textbooks:

Participation in Scientific Conferences:
ICTM:2021, ICTM:2022, ICTM:2023, ICTM:2024

TEACHING ACTIVITIES:

Courses Taught:
Launch, recovery, and landing systems of unmanned aerial vehicle;
Design of unmanned aerial vehicles and their systems;
Testing of aerial vehicles and their systems

Author Courses, Academic Programs:
Launch, recovery, and landing systems of unmanned aerial vehicle;
Design of unmanned aerial vehicles and their systems;
Testing of aerial vehicles and their systems

Methodological Materials, Textbooks:
Aviation launchers and catapult systems for aircraft;
Conceptual design of single-mode solid-propellant propulsion systems

GRANTS AND PROJECTS:

Participation in International and National Projects:

Grants, Scholarships, Academic Mobility Programs:

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:
text

Distinctions, Awards, Prizes:

Membership in Professional Associations:

INTERNATIONAL ACTIVITIES:

Internships:
International postgraduate practical internship “The use of digital technologies in higher education” Faculty of Education, University of Bialystok, Poland

Cooperation with Foreign Universities:

Teaching/Lecturing Abroad:

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):
1. 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
2. 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.
3. 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:
text

Links to Citation Database Profiles:
https://www.scopus.com/authid/detail.uri?authorId=57484899000

ADDITIONAL INFORMATION:

Language Proficiency:
Mother tongue(s): Russian | Ukrainian
Other language(s):
English

IT Skills:
Microsoft Word / Microsoft Excel / Microsoft Office / Microsoft PowerPoint / Facebook / Instagram / Zoom / Google Meet / Microsoft Teems / Viber / Telegram / WhatsApp / Компас / SolidWorks / Mentor.khai / Autodesk Inventor / Canva

Social and Community Activities: