Name	Stepanenko Denys
Position, Department/Faculty	Senior Lecturer, Department of Theoretical Mechanics, Engineering and Robomechanical Systems, National Aerospace University “Kharkiv Aviation Institute
Academic Degree, Academic Title	
Email:	d.stepanenko@khai.edu
Scopus Author ID:	[ID]
Web of Science ResearcherID:	[ID]
ORCID iD:	https://orcid.org/0000-0002-6765-096X
Google Scholar:	[посилання]
ResearchGate:	[посилання]

EDUCATION:

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

Master of Science in Robotico-Mechanical System and Complex (with honors)

National Aerospace University “Kharkiv Aviation Institute”, Kharkiv, Ukraine

Additional training, certification programs:

- AcademyOcean course «From beginner to expert in AI», 2025 p.
- Tech summer for educators: AI edition, SoftServe inc. Series ZY №20714/2024
- Seminar «Pneumatic drivers and automation tools» «Camozzi» 2017p. №1179
- Online training at the QATestLab training and consulting center on the course «Fundamentals of Software Testing» 2016p. №1782

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Senior Lecturer, Department of Theoretical Mechanics, Engineering and Robomechanical Systems, National Aerospace University “Kharkiv Aviation Institute, September 2023 – present

Assistant, Department of Theoretical Mechanics, Engineering and Robomechanical Systems, National Aerospace University “Kharkiv Aviation Institute”, September 2015

RESEARCH ACTIVITIES:

Main Research Areas:

Production automation, mechatronics, robotics, control system of manipulator, manipulators, metal cutting, wear-resistant coatings

Number of Publications (Scopus, WoS, others):

Stepanenko D. Combined PVD Coating Technologies: From Classification to Innovative Solutions / D. Stepanenko, Y. Baranova, O. Baranov // Open Information and Computer Integrated Technologies. – Kharkiv: National Aerospace University «Kharkiv aviation Institute», 2025. – №104. – 49 – 81 p. doi: 10.32620/oikit.2025.104.05 http://nti.khai.edu/ojs/index.php/oikit/article/view/2957/2736

Pavlenko V. Features Of Process Taking Place In Cutting Of Metal In Heavy Engineering /V. Pavlenko, D. Stepanenko // Aerospace Technic and Technology . – Kharkiv: National Aerospace University «Kharkiv aviation Institute». – 2016. – 1(128). – 34-43 p. ISSN 1727-7337

Narizhniy A. The Thermomechanical Model Of Cutting Process By Cutting Tools With The Wear-Resistant Coating / A. Narizhniy, U. Kutsenko, M. Grom, D. Stepanenko // Aerospace Technic and Technology . – Kharkiv: National Aerospace University «Kharkiv aviation Institute». – 2014. – 5(112). – 4-11 p. ISSN 1727-7337

Participation in Scientific Conferences:

Regular participant (over 15) and speaker at international and national scientific conferences (Ukraine) in robotics, production automation and wear-resistant coatings.

TEACHING ACTIVITIES:

Courses Taught:

- Modeling and research of technical systems;
- Electrical, hydraulic, pneumatic automation
- Pneumatic drives and automation

Author Courses, Academic Programs:

- Modeling and research of technical systems;
- Electrical, hydraulic, pneumatic automation
- Pneumatic drives and automation

Methodological Materials, Textbooks:

Co-author of teaching aids for all taught disciplines

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:

Diploma of the Kharkiv Regional Councill (2024)

ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian, English (Fluent)

IT Skills:

Microsoft Office / Microsoft Powerpoint / Zoom / Google Meet / C++ / Wokwi / Matlab / Mathcad / SolidWorks / FluidSIM / Windows OS / Android.