



Name	Lyudmila Boyko
Position, Department/Faculty	Professor, Aircraft Engines Theory Department, Faculty of Aviation Engines
Academic Degree, Academic Title	Doctor of Technical Sciences, professor
Scopus Author ID:	[57203688726]
Web of Science ResearcherID:	[-]
ORCID iD:	[0000-0002-3076-4779]
Google Scholar:	[https://scholar.google.com/citations?hl=ru&user=p4tWN7sAAAAJ]
ResearchGate:	[-]

EDUCATION:

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

Kharkov Aviation Institute, Faculty of Aviation Engines 1973

Postgraduate and Doctoral studies at

Kharkov Aviation Institute, Faculty of Aviation Engines

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

National Aerospace University «Kharkiv Aviation Institute»

1973-Present

scientific researcher

1985 -candidate of Technical Science

1996 Doctor of Technical science

2001 Professor

2000 -2023 The Head of Aircraft Engines Department

2024 – Present- Professor of Aircraft Engines Department, Faculty of Aviation Engines

Teaching Experience:

The Head of Aircraft Engines Department, Professor at Aircraft Engines Theory Department

Experience in International or National Projects:

I was a scientific supervisor of many scientific projects. For example:

“Mathematical Modeling Development and Improvement of Gas-Dynamic Processes of Gas Turbine Engines, Turbomachinery and Power Plants”. Ministry of Education and Science of Ukraine (State registration - № ДР 0118U001842 - ІНБ № 0221U10035. KHAU, 2020/

RESEARCH ACTIVITIES:

Main Research Areas:

Gas turbine engines compressors, high loading stages\design, multistage compressors, analysing gasturbine engines parameters and characteristics using multistage compressors and turbines blade-



to-blade modeling

Number of Publications (Scopus, WoS, others):

Scopus: 3.

Articles in scientific professional publications order of the Ministry of Education and Science of Ukraine: more than 100 publications.

Monographs, Textbooks: 4.

Participation in Scientific Conferences: more than 20.

TEACHING ACTIVITIES:

Courses Taught:

Turbomachinery theory design, impeller mashines design, nonstability regimes of turbocompressors, Turbomachinery Analysing and Design methods. Aviation engines working processes.

Author Courses, Academic Programs:

- 1 Turbomachine theory ;
- 2 Impeller mashines design;
3. Nonstability regimes of turbocompressors;
- 4 Turbomachinery Analysing and Design methods;
- 5 Aviation engines working processes.

Methodological Materials, Textbooks

I have 4 Textbooks in cooperation

1. Терещенко Ю.М., Бойко Л.Г., Мамлюк О.В. Газотурбінні двигуни літальних апаратів. Допущено Міністерством освіти і науки України. Підручник для студентів вищих закладів освіти. К.: Вища шк., 2000. 319с.
2. Теорія теплових двигунів. Підручник / Ю.М. Терещенко, Л.Г. Бойко, С.О. Дмитрієта ін.; за ред. Ю.М. Терещенка. – К.: Вища шк., 2001. – 382 с.
3. Теория авиационных газотурбинных двигателей. / Ю.М. Терещенко, Л.Г. Бойко, Л.Г. Волянская и др. Под ред. Ю.М. Терещенко. – К.: НАУ, 2013. – 596 с
4. Boyko L.G. Calculation and Design Methods f Turbomachinery : Tutorial , Pt.1 : Numerical Study of Sub-, Trans- and Supersonic Flows in Compressor Blade Cascades / L. G. Boyko, A. E. Dyomin, K. V. Fesenko ; Min. of Education and Science of Ukraine, N. Ye. Zhukovskiy Nat. Aerospace Univ. "Kharkiv Aviation Inst.". - Kharkiv. - National Aerospace University Kharkiv Aviation Institute, 2021. - 57 p.

GRANTS AND PROJECTS:

Participation in International and National Projects: - I was the scientific supervisor of many scientific prodjects "Ivchenko - Progress" Design Buro in area of Aviation Engines (Zaporizzya city)





Grants, Scholarships, Academic Mobility Programs: -

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:-

State prize of Ukraine in the field of science and technology;
Certificate of Honor of the Verkhovna Rada of Ukraine

Distinctions, Awards, Prizes: -

Membership in Professional Associations: -

INTERNATIONAL ACTIVITIES:

Internships: -

Cooperation with Foreign Universities: -

Teaching/Lecturing Abroad: -

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others

1. Boyko, A. Dyomin. Numerical study of flows in axial compressors of aircraft gas-turbines. Eastern-European Journal of Enterprise Technologies. 4/8 (94). 2018. P. 40-49. DOI:10.15587/1729-4061.2018.139445
2. 1.Boyko, V. Datsenko, A. Dyomin, N. Pizhankova Devising a method for calculating the turboshaft gas turbine engine performance involving a blade-by-blade description of the multi-stage compressor in a two dimensional setting. Eastern-European Journal of Enterprise Technologies. 4/8 (112). 2021. P. 59-66. DOI: 10.15587/1729-4061.2021.238538
3. Boyko, L, Datsenko, V., Determining the influence of compressor flow path abrasive wear on the gas turbine engine characteristics. Eastern-European Journal of Enterprise Technologies, 2(1 (122), 2023, P.12–24. <https://doi.org/10.15587/1729-4061.2023>

Books, Chapters in Collective Monographs:

Бойко Л.Г. Численное исследование газодинамических параметров высоконапорных центробежных компрессорных ступеней [Текст] / Л. Г. Бойко, Е. С. Барышева/ Монография.– Х. : "Диса плюс", 2015.– 144 с.

Links to Citation Database Profiles:

Scopus (Author ID)	https://www.scopus.com/authid/detail.uri?authorId=57203688726
Google Scholar	https://scholar.google.com/citations?hl=ru&user=p4tWN7sAAAAJ
Orcid	https://orcid.org/0000-0002-3076-4779

ADDITIONAL INFORMATION:

Language Proficiency:

English – Upper intermediate;



NATIONAL AEROSPACE UNIVERSITY
«KHARKIV AVIATION INSTITUTE»





Ukrainian – Native;
Russian – Native.

IT Skills:

Excellent use of MS Office (Word, Excel, Power Point, Outlook), Professional programs

1. Поздняков В.О., Бойко Л.Г., Герасименко В.П., Редін І.І., Кіслов О.В. Комп'ютерна програма: Комплексна система курсового і дипломного проектування. Харків, Національний аерокосмічний університет «Харківський авіаційний інститут», Реєстр. номер 3569 від 23.10.17.
2. Бойко Л.Г., Ковальов М.А., Дьомін О.Є. Комп'ютерна програма "Комплексна програма "AxSym" Рішення про реєстрацію №3570 від 23.10.17.
3. Бойко Л. Г., Дьомін О. Є., Комп'ютерна програма «Програмний комплекс PROK». Номер свідоцтва 107195 від 11.08.2021.
4. Бойко Л.Г, Дьомін О.Є. Комп'ютерна програма " Програмний комплекс газодинамічного розрахунку багатоступеневого осьового компресору " GDROCK " Рішення Міністерства економічного розвитку і торгівлі України про реєстрацію договору, який стосується права автора на твір. Свідоцтво №121767 від 12.12.23 р.;

Social and Community Activities: -