Name	Mykhailo Repetenko
Position, Department/Faculty	Associate Professor, Aerohydrodynamics/Aircraft Engineering
Academic Degree, Academic Title	Candidate of Technical Sciences, Associate Professor
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EDUCATION:

Basic education (university, major, year of graduation):
Kharkov Aviation Institute, aircraft engine mechanical engineer, 1982
Postgraduate/Doctoral studies:
Postgraduate Kharkiv Polytechnic Institute

Additional training, certification programs:
Advanced training National Aerospace University "KhAI" 2024, Certificate B2, Certificate PROMETHEUS "Gender Equality and Combating Sexual Harassment in the Military", Certificate National university of civil defece of Ukraine International scientific and practical conference «Problem of emergency situations»

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

1. Institute of Low Temperatures of the National Academy of Sciences of Ukraine, engineer - designer 1982-1985
2. Kharkiv Construction and Installation Department "Kharkivstroymash Automation" engineer - adjuster 2nd category 1985-1990
3. Plant "Miner's Light" engineer - designer 1st category 1990-1998
4. State Enterprise "Malyshev Plant", Deputy Chief Designer 1999-2003
5. UIPA, Associate Professor 2003-2007
6. KhNUMG named after Beketov, Associate Professor 2007-2015
7. National Aerospace University named after Zhukovsky (Khayil Agrarian University), Associate Professor 2015-2019
8. State Enterprise "ZAVD ELETROVAZHMASH" Leading Engineer - Designer 2019-2021
9. National Center of Aerospace Engineering of Ukraine, Senior Lecturer, Department of Applied Mechanics and Environmental Protection Technologies 2021-2022
10. Zhukovsky National Aerospace University (Khayil Agrarian University), Associate Professor 2022-to present

Teaching Experience:
20 years
Experience in International or National Projects:
State Enterprise "Malyshev Plant" Design, manufacturing of Auger complex for coal mining from thin seams for China, Shanxi Province

RESEARCH ACTIVITIES:

Main Research Areas:
Hydraulics, Mechanical Engineering

Number of Publications (Scopus, WoS, others):
More than 30 publications in various editions

Monographs, Textbooks:
1. Methods and concepts for calculating turbo and hydrogen generators in three-dimensional form
2. Engineering graphics
3. Portable (dismountable) scraper conveyors

Participation in Scientific Conferences:
Investigation of the influence of the process of passage of chain elements through the sprocket drive of the scraper conveyor sp 250 on the technogenic safety of its traction body
International scientific and practical conference «Problem of emergency situations»

TEACHING ACTIVITIES:

Courses Taught:
Hydraulics, aerodynamics

Author Courses, Academic Programs:
Hydraulics, aerodynamics

Methodological Materials, Textbooks:
Methodological Materials
1. Summary of the course "Aerodynamics of aircraft"
2. Laboratory course on the educational component "Applied Mechanics"
Textbooks
1. Methods and concepts for calculating turbo and hydrogen generators in three-dimensional form
2. Engineering graphics
3. Portable (dismountable) scraper conveyors

GRANTS AND PROJECTS:

Participation in International and National Projects:
State Enterprise "Malyshev Plant" Design, manufacturing of Auger complex for coal mining

from thin seams for China, Shanxi Province

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Investigation of the influence of the process of passage of chain elements through the sprocket drive of the scraper conveyor sp 250 on the technogenic safety of its traction body
2. Development of the combined reservoir of mixture of technical combustible liquids as component of environment protection technology
3. Investigation of the thermal state of the umbrella-type hydrogen generator by CAE methods
4. Methods for determining the stress-strain state of turbogenerator boxes in a three-dimensional setting and their verification at the plant stand
5. The methodology for calculating of gas coolers for turbogenerators in three-dimensional setting
6. Analysis of destruction causes of retaining of turbo generator

Books, Chapters in Collective Monographs:

1. Methods and concepts for calculating turbo and hydrogen generators in three-dimensional form
2. Engineering graphics
3. Portable (dismountable) scraper conveyors

Links to Citation Database Profiles:

https://orcid.org/0000-0002-6753-2672

ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian, Russian, English B2

IT Skills:

Lecture Course on Hydraulics in Mentor

Social and Community Activities:

Educational and training activities among students