Name	Yevhen Martseniuk
Position, Department/Faculty	Senior lecturer, Department of Aircraft Engine Design / Faculty of Aircraft Engines
Academic Degree, Academic Title	
Email:	y.martseniuk@khai.edu
Scopus Author ID:	[57194406918]
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Google Scholar:	[https://scholar.google.com/citations?hl=ru&authuser=1&user=ZSll5jwAAAAJ]
ResearchGate:	

EDUCATION:

Basic education (university, major, year of graduation):
Bachelor degree in the field of aircraft engines and power plants, National aerospace university "Kharkiv aviation institute", Ukraine; diploma, full-time tuition, 2005;
Masters degree in the field of Aircraft engines and power plants, National aerospace university "Kharkiv aviation institute", Ukraine; diploma, full-time tuition, 2007.

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):
National Aerospace University "Kharkiv aviation institute", Kharkiv, Ukraine, 09/2007 – pres., senior lecturer

Teaching Experience:
Senior lecturer, Aircraft engine design department, 09/2007 – pres.

Experience in International or National Projects:
Research associate, R&D Laboratory of aircraft engine diagnostics, 2012 – pres.
Lead engineer, Center of Technical Physics, 2017 – pres.

RESEARCH ACTIVITIES:

Main Research Areas:
Health management system design;
Health management algorithm design;
Finite element analysis of transient thermal-stress state of aerospace equipment

Number of Publications (Scopus, WoS, others):
17 scientific papers were published, 6 of them in specialized American and European journals (SCOPUS, WoS)

Monographs, Textbooks:
7 textbooks were written

Participation in Scientific Conferences:
- ASME TURBO EXPO (2017)
- Problems of dynamics and strength in turbomachinery (2014)
- International congress of propulsion engineering (2008, 2011, 2013, 2014, 2016, 2018, 2019, 2021, 2022, 2025)
- International maritime scientific conference of the ship power plants and technical operation department of Odesa National Maritime University (Marine Power Plants & Operation, MPP&O) (2022, 2024)
- Integrated computer technologies in machinery (2011, 2012, 2013, 2016)
- The modern problems of engine building, energy and intelligent mechanics (2020, 2021, 2023, 2024, 2025)

TEACHING ACTIVITIES:

Courses Taught:
- Computer Aided Design technologies;
- Maintenance, repair and applying of aircraft engines in ground units;
- Computer Aided Design systems;
- Cooling systems for components of aircraft engines and power plants;
- Life-time design and testing of aircraft engines and power plants;

Author Courses, Academic Programs:
- Computer Aided Design technologies;
- Maintenance, repair and applying of aircraft engines in ground units;
- Computer Aided Design systems;

Methodological Materials, Textbooks:
- Strength and life of aircraft gas turbine engine parts;
- Simulation of the transient thermal stress state of GTE components;
- Simulation of thermal and thermal stress states of cooled turbine blades;
- Design of cooled parts of the gas turbine engine;
- Strength analysis of blade root

GRANTS AND PROJECTS:

Participation in International and National Projects:
Lead engineer of the Center for Technical Physics: Designing the loaded structural components of th ermal control unit for SES-17 telecommunication satellite on order of Thales Alenia Space

Responsible executor of research works in field of GTE health management commissioned by domestic and foreign organizations and enterprises: SE “Ivchenko-Progress”, Ukraine; JSC “Motor Sich”, Ukraine Shanghai; Shenyang Engine Design and Research Institute SEDRI, AVIC, China; HYUAN Machinery Technology Co., LTD, China.

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Distinctions, Awards, Prizes:
Honorary Diploma from the Executive Committee of the Kharkiv City Council for long-term dedicated work, professionalism, and contribution to the development of science, technology, and education (2023)

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

- Romanenko, I.; Martseniuk, Y.; Bilohub, O. Modeling the Meshing Procedure of the External Gear Fuel Pump Using a CFD Tool. Computation 2022, 10, 114. https://doi.org/10.3390/computation10070114
- Steady And Transient Thermal State of Turbine Disk Estimation For Life-Time Monitoring / Yevhen Martseniuk // Transactions on Aerospace Research, 2020, 3(260), pp. 21-29 (DOI: 10.2478/tar-2020-0014, eISSN 2545-2835)
- Thermal-Stress State of the Piston During Transient Diesel Operation, Synthesis of the Piston Profile / Nguyen Van Duong, O. Bilohub, Ye. Martseniuk // Integrated Computer Technologies in Mechanical Engineering, AISC 1113, pp. 310-324. 2020 (https://link.springer.com/chapter/10.1007/978-3-030-37618-5_27)
- Lytviak, O.; Loginov, V.; Komar, S.; Martseniuk, Y. Self-Oscillations of The Free Turbine Speed in Testing Turboshaft Engine with Hydraulic Dynamometer. Aerospace 2021, 8, 114. https://doi.org/10.3390/aerospace8040114
- Dynamic Turbine Clearance Simulation Considering the Influence of Temperature on Mechanical Load–Induced Displacements / Roman Zelenskyi, Sergiy Yepifanov, Yevhen Martseniuk, Igor Kravchenko // Journal of Aerospace Engineering, Volume 30, Issue 5 - September 2017

Books, Chapters in Collective Monographs:
text

Links to Citation Database Profiles:
https://www.scopus.com/authid/detail.uri?authorId=57194406918
https://orcid.org/0000-0002-4992-7603
https://scholar.google.com/citations?hl=ru&authuser=1&user=ZSll5jwAAAAJ

ADDITIONAL INFORMATION:

Language Proficiency:
Ukrainian – native;
English – B2

IT Skills:
Ansys, Solidworks, Kompas 3D, Microsoft Office, VisSim