



Name	Mykola Kalinichenko
Position, Department/Faculty	Associate Professor, Technologies of the production of aircraft engines/ Aircraft engines
Academic Degree, Academic Title	PhD in Engineering, -
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ResearchGate:	-

EDUCATION:

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

1. Specialty 134: "Aircraft engines and energy units", National Aerospace University "Kharkiv Aviation Institute", Master degree, 2007
2. Specialty 151: "Automation and computer-integrated technologies", National Aerospace University "Kharkiv Aviation Institute", Master degree, 2021

Postgraduate/Doctoral studies:

Postgraduate study, Technologies of the production of aircraft engines, National Aerospace University "Kharkiv Aviation Institute" 2007 - 2010

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

1. Technologies of the production of aircraft engines, National Aerospace University "Kharkiv Aviation Institute", 2007-2017, junior researcher
2. Technologies of the production of aircraft engines, National Aerospace University "Kharkiv Aviation Institute", 2023-2015, Senior research

Teaching Experience:

1. Technologies of the production of aircraft engines, National Aerospace University "Kharkiv Aviation Institute", 2007 – 2010, Teaching Assistant
2. Technologies of the production of aircraft engines, National Aerospace University "Kharkiv Aviation Institute", 2017 – 2021, Senior Lecturer
3. Technologies of the production of aircraft engines, National Aerospace University "Kharkiv Aviation Institute", 2021 – present time, Associate Professor of the Department

RESEARCH ACTIVITIES:



Main Research Areas:

Creep feed grinding, abrasive processing methods; grinding of hard-to-machine materials.

Number of Publications (Scopus, WoS, others):

1. Numerical Evaluation of Harmful Consequences after Accidental Explosion at a Hydrogen Filling Station // Yurii Skob, Sergiy Yakovlev, Oksana Pichugina, Mykola Kalinichenko and Oleksii Kartashov / Environmental and Climate Technologies. – 2024, Vol. 28, Issue 1, pp. 181–194.
<https://doi.org/10.2478/rtuct-2024-0015>
2. Skob, Y.; Yakovlev, S.; Korobchynskiy, K.; Kalinichenko, M. Numerical Assessment of Terrain Relief Influence on Consequences for Humans Exposed to Gas Explosion Overpressure // Computation. 2023, Vol. 11, 19.
<https://doi.org/10.3390/computation11020019>
3. Mathematical Modelling of Gas Admixtures Release, Dispersion and Explosion in Open Atmosphere. Y Skob, S Yakovlev, O Pichugina, M Kalinichenko. - ProfIT AI, 2023.
<https://ceur-ws.org/Vol-3641/paper15.pdf>
4. O., Volkov, A., Neveshkin, Y., Danko, K., Kalinichenko, N. (2023). Theoretical Study of Powder Particle Parameters in a Modified Cold Spray Nozzle. In: Ivanov, V., Pavlenko, I., Liaposhchenko, O., Machado, J., Edl, M. (eds) Advances in Design, Simulation and Manufacturing VI. DSMIE 2023. Lecture Notes in Mechanical Engineering. Springer, Cham.
https://doi.org/10.1007/978-3-031-32774-2_17
5. Numerical Evaluation of Wind Speed Influence on Accident Toxic Spill Consequences Scales Yurii Skob, Sergiy Yakovlev, Oksana Pichugina, Mykola Kalinichenko, Kyryl Korobchynskiy and Andrii Hulianytskyi | Sep 21, 2023.
<https://doi.org/10.2478/rtuct-2023-0033>

TEACHING ACTIVITIES:

Courses Taught:

1. Introduction to the specialty
2. Technologies of structural materials
3. Interchangeability and standardization
4. Advanced production technologies on CNC machines
5. Technology of object-oriented programming

Methodological Materials, Textbooks:

1. Технологія конструкційних матеріалів. Обробка металів різанням : навч. посіб. до лаб. практикуму. Ч. 1 / А. М. Мунгієв, В. В. Третяк, А. І. Долматов, В. Г. Приєзжев [та др.] ; М-во освіти і науки України, Нац. аерокосм. ун-т ім. М. Є. Жуковського "Харків. авіац. ін-т". - Харків. - Нац. аерокосм. ун-т ім. М. Є. Жуковського "Харків. авіац. ін-т", 2020. - 36 с.
[http://library.khai.edu/library/fulltexts/doc/Tehnol ogiya_Konstrukcionnyh_Ukr.pdf](http://library.khai.edu/library/fulltexts/doc/Tehnol%20ogiya_Konstrukcionnyh_Ukr.pdf)
2. Development of the CAM program for CNC machine manufacturing of the part / O. Shorinov, Yu. Neveshkin, M. Kalinichenko. – Харків: XAI, 2024. – 57с.
https://library.khai.edu/library/fulltexts/metod/Shorinov_O_Development_Of_The_Cam_Program_For





_Cnc_Machine_2024.pdf



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