



Name	Yurii Neveshkin
Position, Department/Faculty	Associate Professor, Department of Aircraft Engine Manufacturing Technology, Faculty of Aviation Engines
Academic Degree, Academic Title	Associate Professor
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Google Scholar:	https://www.google.com/search?q=https://scholar.google.com.ua/citations%3Fhl%3Duk%26user%3DejghVlcAAAAJ
ResearchGate:	https://www.researchgate.net/profile/Yurii-Neveshkin

EDUCATION:

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

1. National Aerospace University "Kh.I. Zhukovsky "KhAI", Master's degree in Aircraft Engine Manufacturing Technology, 2005
2. National Aerospace University "Kh.I. Zhukovsky "KhAI", Master's degree in Automation and Computer-Integrated Technologies, 2021

Postgraduate/Doctoral studies:

Completed postgraduate studies in 2009

Additional training, certification programs:

Certified SolidWorks Academic Teacher

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

1. Research Fellow at the International Research University of New Technologies and Materials "MINT" at "KhAI".
2. Associate Professor of the Department of Aircraft Engine Manufacturing Technology at the National Aerospace University "KhAI".
3. Operator-adjuster-programmer of HAAS, Fanuc, Sinumerik machining centers.

Teaching Experience:

2006 - present

RESEARCH ACTIVITIES:

Main Research Areas:

1. Development of technological processes for explosive forming of aircraft engine parts and equipment for its implementation.
2. Protective coatings and restoration of parts.
3. Optimization of milling toolpaths for parts on CNC machines.

Number of Publications (Scopus, WoS, others):

47

TEACHING ACTIVITIES:

Courses Taught:

1. Engineering Analysis Systems in Technological Process Design.
2. Computer-Aided Manufacturing in Technological Processes.
3. Programming Languages for Machining on CNC Machines.
4. Automation of Control Program Development in SolidCAM.
5. 3D Object Modeling for Machining on CNC Machines.
6. Post-processing in Modern CAM Systems.

Methodological Materials, Textbooks:

1. Development of the CAM program for CNC machine manufacturing of the part : Training Manual / O. Shorinov, Yu. Neveshkin, M. Kalinichenko ; Min. of Education and Science of Ukraine, Nat. Aerospace Univ. "Kharkiv Aviation Inst.". - Kharkiv. - National Aerospace University Kharkiv Aviation Institute, 2024. - 57 p .
2. Технологія двигунобудування. Механічна обробка : навч. посіб. / В. Д. Сотников, Ю. О. Невешкін ; М-во освіти і науки України, Нац. аерокосм. ун-т ім. М. Є. Жуковського "Харків. авіац. ін-т". - Харків., 2021. - 224 с.
3. 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 [и 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.

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Distinctions, Awards, Prizes:

Medal "Honorary Diploma of the Kharkiv City Council" (2024)

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):



1. Neveshkin, Y., Kalinichenko, M., & Nikitin, K. . (2023). BEST PRACTICE OF 3D MODELING OF A PART FOR FURTHER MACHINING ON MACHINE TOOLS WITH NUMERICAL CONTROL SYSTEMS. Collection of Scientific Papers «ΛΟΓΟΣ», (October 27, 2023; Zurich, Switzerland), 117–119. <https://doi.org/10.36074/logos-27.10.2023.35>
2. Comparative Study of Corrosion Resistance of Cold Spraying Aluminum-Based Coatings on Magnesium Alloy. Shorinov, O., Balushok, K., Dolmatov, A., Danko, K., Neveshkin, Y. Lecture Notes in Mechanical Engineering, 2024, pp. 442–451
3. Temperature and Velocity Changes of ZrO₂ Particles in the Process of HVOF Spraying by Twin-Combustion-Chamber Burner. Danko, K., Shorinov, O., Neveshkin, Y., Polyvianyi, S. Lecture Notes in Networks and Systems, 2024, 1008 LNNS, pp. 102–111
4. Theoretical Study of Powder Particle Parameters in a Modified Cold Spray Nozzle – Shorinov, O., Volkov, A., Neveshkin, Y., Danko, K., Kalinichenko, N. Lecture Notes in Mechanical Engineering, 2023, pp. 168–176

Books, Chapters in Collective Monographs:

1. Науково-освітні школи кафедри технології виробництва авіаційних двигунів / Ю. О. Невешкін, А. І. Долматов // Бабаков М.Ф., Баранов О.О., Бичков І.В., Більчук Н.Л., Благодарний М.П., Бойко Л.Г., Висоцька О.В . Науково-освітні школи Національного аерокосмічного університету ім. М. Є. Жуковського "Харківський авіаційний інститут" : [монографія] / М-во освіти і науки України, Нац. аерокосм. ун-т ім. М. Є. Жуковського "Харків. авіац. ін-т" ; за заг. ред. М. В. Нечипорука . - Харків, 2020. - С. 136-144
2. Науково-освітні школи Національного аерокосмічного університету ім. М. Є. Жуковського "Харківський авіаційний інститут" : [монографія] / М. Ф. Бабаков, О. О. Баранов, І. В. Бичков, Н. Л. Більчук [и др.] ; М-во освіти і науки України, Нац. аерокосм. ун-т ім. М. Є. Жуковського "Харків. авіац. ін-т" ; за заг. ред. М. В. Нечипорука. - Харків. - Нац. аерокосм. ун-т ім. М. Є. Жуковського "Харків. авіац. ін-т", 2020. - 400 с.

Links to Citation Database Profiles:

1. Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56938984800>
2. Web of Science: <https://www.webofscience.com/wos/author/record/E-1792-2013>
3. ORCID: <https://orcid.org/0000-0002-0193-293X>
4. Google Scholar: <https://scholar.google.com.ua/citations?hl=uk&user=ejghVlcAAAAJ>
5. ResearchGate: <https://www.researchgate.net/profile/Yurii-Neveshkin>

ADDITIONAL INFORMATION:

Language Proficiency:

1. English
2. Ukrainian

IT Skills:

1. Python programming
2. SolidCAM post-processor programming

Social and Community Activities:

1. Executive Secretary of the selection committee of the Faculty of Aviation Engines (13 years).
2. Deputy Dean for career guidance and pre-university work of the Faculty of Aviation Engines (2023 - 2025).
3. Deputy Head of the educational and methodological commission No. 2 of the National



Aerospace University "KhAI" (2019 - 2025).

4. Member of the organizing committee of "International scientific periodic symposia" and the series of Ukrainian Collective Monographs "Scientific environment of modern human".
5. Editor of the International scientific peer-reviewed journal "Modern engineering and innovative technologies".
6. Founder of the Training Center "CNC Mentor".
7. Founder of the SolidCAM UA Community.