Name	Oleksandr Bilohub
Position, Department/Faculty	Department of Aircraft Engine Design, Faculty of Aircraft Engines
Academic Degree, Academic Title	Doctor of Technical Sciences, Professor
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Google Scholar:	[https://scholar.google.com/citations?user=h8ihPnwAAAAJ&hl=ru]
ResearchGate:	[посилання]

EDUCATION:

Basic education (university, major, year of graduation):
Kharkiv Polytechnic Institute, internal combustion engines, 1976

Postgraduate/Doctoral studies:
Postgraduate study at the Institute of Mechanical Engineering Problems of the Academy of Sciences of the Ukraine, 1979...1982

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):
1976...1992 - engineer, junior research fellow, research fellow, senior research fellow of the hydrogen engine department of the Institute of Problems of Mechanical Engineering of the National Academy of Ukraine.
1992...1995 - associate professor of the Department of Aircraft Engine Design of the Kharkiv Aviation Institute.
1995...1998 - Director of the Scientific and Technical Center of Engines and Power Plants of the Institute of Machines and Systems of the Ministry of Industrial Policy and the National Academy of Sciences of Ukraine.
1998...2003 - Director of R&D, Chief Designer of PJSC "Ukrainian Motors".
2003...2012 - Chief Designer, Deputy Technical Director, Technical Director of PJSC "AVTRAMAT" (Kharkiv PISTON Plant).
2012 to present - Professor of the Department of Aircraft Engine Design of the National Aerospace University "KHAI".
From 1995 to 2012 he worked at the Department of Aircraft Engine Design part-time.

Teaching Experience:
1992...1995 - associate professor of the Department of Aircraft Engine Design of the Kharkiv Aviation Institute; 1995…2012 associate professor of the Department of Aircraft Engine Design of the Kharkiv Aviation Institute (National Aerospace University) part-time; Professor of the Department of Aircraft Engine Design of the National Aerospace University "KHAI".
Total teaching experience of more than 32 years

RESEARCH ACTIVITIES:

Main Research Areas:
Piston engines; piston group strength; piston group production technology; small gas turbine engines.

Number of Publications (Scopus, WoS, others):
The total number of publications is more than 150, of which 5 are in Scopus, 21 are USSR copyright certificates and patents for inventions.

Monographs, Textbooks:
He is a co-author of 2 monographs.

Participation in Scientific Conferences:
One of the organizers (1996) and permanent scientific secretary of the annual International Congresses of Engine Builders

TEACHING ACTIVITIES:

Courses Taught:
I have been teaching since 1992 to the present.

Author Courses, Academic Programs:
Author of the courses "Aviation piston engines", "Working processes of aviation piston engines", Design, dynamics and systems of piston engines", "Systems and units of gas turbine engines", "Fundamentals of design of aircraft engines and power plants", "Fundamentals of modern technologies for designing aircraft engines and power plants based on the SolidWorks software package with the use of mathematical parameterization"

Methodological Materials, Textbooks:
Methodological materials on working processes, kinematics and dynamics of internal combustion engines; designs of parts - pistons, connecting rods, crankshafts, cylinders and blocks, gas distribution mechanism, gasoline and diesel fuel supply systems, etc.

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Distinctions, Awards, Prizes:
Honorary Certificate of the Supreme Council of Ukraine

INTERNATIONAL ACTIVITIES:

Internships:
In 1998, he completed an internship at the MAN company in Nurburg.

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

- Fuel supply system constructions of gasoline/hydrogen automobiles / A. V. Belogub, G. B. Talda // International Journal of Hydrogen Energy. – 1991. – Vol. 16, № 6. – P. 417–421.Books, Chapters in Collective Monographs:
- Новые подходы к конструированию поршней / А. В. Белогуб // Авиационно-космическая техника и технология : сб. науч. тр. / М-во Образования и науки Украины, Гос. аэрокосм. ун-т им. Н. Е. Жуковского «ХАИ». – Харьков, 2000. – Вып. 19 : Тепловые двигатели и энергоустановки. – С. 201–206.
- Исследование влияния стального терморегулирующего кольца на тепловое расширение поршня / А. В. Белогуб, А. Г. Щербина // Авиационно-космическая техника и технология : тр Нац. аэрокосм. ун-та им. Н. Е. Жуковского «ХАИ». – Харьков, 2002. – Вып. 32. – С. 382–385.
- Определение параметров закрепления поршня ДВС в станочном приспособлении для его последующей механической обработки / Е. К. Гордиенко, А. С. Стрибуль, А. В. Белогуб // Двигатели внутреннего сгорания. – 2007. – № 2. – С. 51–55.
- Поддержка жизненного цикла тонкостенных поршней ДВС на основе технологии интегрированного проектирования и производства / А. В. Белогуб // Восточно-Европейский журнал передовых технологий. – 2010. – № 3/3 (45). – С. 27–40.
- Инженерная оптимизация конструкции термогидравлического аккумулятора (ТГА) для использования в условиях невесомости / Р. Ю. Турна, В. С. Чигрин, А. В. Белогуб // Вестник двигателестроения. – 2017. – № 2. – С. 127–132.
- Thermal-Stress State of the Piston During Transient Diesel Operation, Synthesis of the Piston Profile / V. D. Nguyen, O. Bilohub, Ye. Martseniuk // International Scientific and Technical Conference on Integrated Computer Technologies in Mechanical Engineering. ICTM'2019 : proceedings, 28–30 Nov. 2019, Kharkiv. – Cham : Springer, 2020. – P. 310– – (Advances in Intelligent Systems and Computing. AISC ; Vol. 1113). – DOI: 10.1007/978-3-030-37618-5_27.
- Modeling the Meshing Procedure of the External Gear Fuel Pump Using a CFD Tool / I. Romanenko, Y. Martseniuk, O. Bilohub // Computation. – 2022. – Vol. 10, iss. 7, art. 114. – P. 1–19. – DOI: 10.3390/computation10070114.

Links to Citation Database Profiles:
[https://scholar.google.com/citations?user=h8ihPnwAAAAJ&hl=ru]

ADDITIONAL INFORMATION:

Language Proficiency:
Ukrainian, Russian - fluent, English - not good enough

IT Skills:
Office is at the advanced user level, Corel Draw and Adobe Photoshop are fluent, SolidWorks and SolidWorks Simulation are my work programs.