Name	Serhii Saienko
Position, Department/Faculty	Associate Professor, Department of Descriptive Geometry and Computer Modeling
Academic Degree, Academic Title	Candidate of Technical Sciences, Associate Professor
Email:	s.saienko@khai.edu
Scopus Author ID:	–
Web of Science ResearcherID:	https://www.webofscience.com/wos/author/record/OFN-4045-2025
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Google Scholar:	https://scholar.google.com/citations?user=u4DJH70AAAAJ&hl=ru
ResearchGate:	https://www.researchgate.net/profile/Serhii-Saienko

EDUCATION:

Basic education (university, major, year of graduation):
Kharkiv State Technical University of Radio Electronics, engineer-designer-technologist of electronic computing devices, 1999
Postgraduate/Doctoral studies:
In 2009, he defended his thesis for a scientific degree and received a degree in technical sciences.

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):
Kharkiv State University of Food Technology and Trade
1999–2006 – Laboratory Manager, Assistant
2007–2014 – Senior Lecturer, Department of Mechanics and Graphics
2014–2019 – Associate Professor, Department of Refrigeration and Commercial Equipment
2016–2019 – Design Engineer at Wild Technology
Kharkiv National Aerospace University (KhAI)
2019-2025 - Associate Professor, Department of Descriptive Geometry and Computer Modeling
2019-2022 - Chief Engineer at EVA Chargers (manufacturer of charging stations for electric vehicles)
2022-2025 - Director of EVA Chargers

Teaching Experience:
25 years of teaching experience
Taught courses:
Engineering and Computer Graphics
Fundamentals of Computer-Aided Design
Computer-Aided Design of Products and Manufacturing Technologies

RESEARCH ACTIVITIES:

Main Research Areas:
Geometric modeling of reflective systems
Design of charging stations for electric vehicles

Monographs, Textbooks:

Monograph. Geometric modeling of reflectors for infrared devices in the food industry. Kharkiv: Kharkiv State University of Food Technology and Trade, 2018

Textbook. Industrial technologies for processing meat, milk, and fish. Kyiv: INKOS, 2014. – 340 p. (Recommended by the Ministry of Agrarian Policy and Food of Ukraine. Letter dated 4.09.13 No. 37128-13/17618)
ISBN 978-617-598-098-9

Participation in Scientific Conferences:

1. S. Yu. Saienko, K. P. Msallam, “Design features of liquid cable cooling systems.” Interdisciplinary scientific and practical conference “Current issues in the development of Ukraine's aviation and space industry: engineering, business, law.”

https://dspace.library.khai.edu/xmlui/bitstream/handle/123456789/8358/244-249.pdf?sequence=1&isAllowed=y

1. S. Yu. Saienko Clip thinking and its impact on perception and learning in the modern world. / Current trends in the development of education, science, and technology: Materials from the VIII International Scientific and Practical Conference (Kharkiv, May 23, 2025): in 3 parts / Edited by G. G. Mikhalchenko. [Electronic resource]. Kharkiv: BNNPPI Karazin University, 2025. Part 1. P. 43-46

2. S. Yu. Saienko. Features of the design of fittings in the cable cooling system. S. Yu. Saienko, K. P. Msallam / Thirty-fifth All-Ukrainian Conference “NEW TECHNOLOGIES IN MACHINE BUILDING” Kharkiv: National Aerospace University named after M. Ye. Zhukovsky “Kharkiv Aviation Institute.” September 2-5, 2025.

3. S. Yu. Saienko. Features of fluids in cable cooling systems. S. Yu. Saienko, K. P. Msallam / World of Scientific Research. Issue 42. [Electronic resource]. 2025 https://www.economy-confer.com.ua/full-article/6242/

4. Saienko S. Yu. Proving the possibility of calculating a thermal system in a flat configuration. A. Yu. Chernyavsky, O. S. Goncharuk / Scientific and Technical Conference of Professors, Lecturers, Researchers, and Postgraduate Students. Ukrainian Academy of Printing. (February 6–10, 2023)

https://www.uad.edu.ua/uploads/tezy_vykl/2023.pdf

5. S. Yu. Saienko. COMPARISON OF THE POSSIBILITIES OF COMPUTER MODELING OF THERMAL PROCESSES IN TRACEPRO AND ANSYS FLUENT. S.Yu. Saienko, K.P. Msallam. 2024. Interdisciplinary scientific and practical conference contemporary problems of development 06.2024

TEACHING ACTIVITIES:

Courses Taught:
Engineering and Computer Graphics
Fundamentals of Computer-Aided Design
Computer-Aided Design of Products and Manufacturing Technologies

Methodological Materials, Textbooks:
1. Saienko, S. Yu. Introduction to the profession [Electronic resource]: textbook / S. Yu. Saienko, K. P. Msallam. – Kharkiv: National Aerospace University ‘Kharkiv Aviation Institute’, 2025. – 65 p.
2. Geometric Modelling of Technical Systems [Electronic resource]: laboratory practical / T. K. Muradyan, N. V. Perehrest, S. Yu. Saienko. – Kharkiv: National Aerospace University named after M. Ye. Zhukovsky ‘Kharkiv Aviation Institute’, 2024. – 112 p.
3. Saienko S. Yu. Syllabus of the compulsory academic discipline ‘INTRODUCTION TO THE PROFESSION’. Field of knowledge 13. Mechanical Engineering. Speciality 133 Industrial Engineering. Educational programmes: Computer Design and 3D Modelling. Effective from 01.09.2024.
4. Saienko S.Yu. Syllabus of the compulsory academic discipline ‘COMPUTER DESIGN OF PRODUCTS AND MANUFACTURING TECHNOLOGIES’. Field of knowledge 13. Mechanical Engineering. Speciality 133 Industrial Engineering. Educational programmes: Computer Design and 3D Modelling. Effective from 01.09.2024.
5. Geometric modelling and graphic information technologies. Basics of working in SolidWorks [Electronic resource]: lab workshop / T. K. Muradyan, N. V. Perehrest, S. Yu. Saienko. – Kharkiv: National Aerospace University named after M. Ye. Zhukovsky ‘Kharkiv Aviation Institute’, 2023. – 110 p.

ADDITIONAL INFORMATION:

Language Proficiency:
Ukrainian, Russian

IT Skills:
SolidWorks
Inventor
AutoCAD
CorelDRAW
Photoshop
PYTHON programming