Name	Mykola Koshovyi
Position, Department/Faculty	Professor of the Department 303 “Intelligent measuring systems and quality engineering”, Faculty “Aircraft control systems”
Academic Degree, Academic Title	Doctor of Sciences in Technology, Professor
Email:	m.koshovyi@khai.edu
Scopus Author ID:	9532888400
Web of Science ResearcherID:	U-8799-2019
ORCID iD:	0000-0001-9465-4467
Google Scholar:	https://scholar.google.com/citations?hl=ru&user=V2mPs1gAAAAJ
ResearchGate:	https://www.researchgate.net/profile/Nikolay-Koshevoy

EDUCATION:

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

National Aerospace University "KhAI", 1975, Specialization: Automatic Control Systems

Postgraduate/Doctoral studies:

Doctor of Sciences in Technology, 1999
Candidate of Sciences in Technology, 1982

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

text

Academic and teaching experience in National Aerospace University "KhAI" - 47 years:

Engineer, Senior Engineer, Junior Research Fellow, Department of Automation, KhAI (1975–1982)
Assistant and Associate Professor (1982–1989)
Head of the Department of Aviation Instruments and Measurements (1989–2020)
Professor, Department of Intelligent Measuring Systems and Quality Engineering (2021–present)

Teaching Experience:

Measuring Transducers; Master’s Research Project; Theory and Practice of Experimental Design; Scientific and Applied Issues in the Design of Information-Measuring Systems.
Under scientific supervision, 17 Candidates of Sciences, 2 Doctors of Technical Sciences, and 2 Doctors of Philosophy have been prepared.

Experience in International or National Projects:

Scientific Supervisor of State-Funded Research Projects of the Ministry of Education and Science of Ukraine: DR 0117U005411; GR 0115U000838;GR 0111U001072;

RESEARCH ACTIVITIES:

Main Research Areas:
Development of Measuring Transducers with Digital Output; Automation of Experimental Design Planning

Number of Publications (Scopus, WoS, others):
Around 800 publications, including 44 (Scopus), 14 (WOS)

Monographs, Textbooks:
9 monographs, 6 textbooks, and 16 teaching manuals approved by the Ministry of Education and Science of Ukraine

Participation in Scientific Conferences:
Regular participant (more than 150)

TEACHING ACTIVITIES:

Courses Taught:
Measuring Transducers; Master's Research Project; Theory and Practice of Experimental Design; Scientific and Applied Aspects of Designing Information-Measuring Systems

Author Courses, Academic Programs:
Author of the course and developer of academic content for Measuring Transducers; Master's Research Project; Theory and Practice of Experimental Design; Scientific and Applied Aspects of Designing Information-Measuring Systems

Methodological Materials, Textbooks:
Co-author of textbooks in the field of Measuring Transducers and Experimental Design Theory

GRANTS AND PROJECTS:

Participation in International and National Projects:
Scientific Supervisor of State-Funded Research Projects of the Ministry of Education and Science of Ukraine: DR 0117U005411; GR 0115U000838; GR 0111U001072;

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Honorary Titles:
Laureate of the State Prize of Ukraine

Distinctions, Awards, Prizes:
State Prize of Ukraine in Science and Technology (2005)
Honorary Diploma from the Kharkiv Regional State Administration (2005)
KhAI Honorary Badge "For Merit" (2005)
Winner of the Regional Competition "Higher Education of Kharkiv Region – Best Names" (2006)
Scholarship of the Kharkiv Regional Administration in Engineering named after H. F. Proskura (2007)
Letter of Appreciation from the Ministry of Education and Science of Ukraine (2018)
Diploma from the Ministry of Education and Science of Ukraine (2020)
Honorary Diploma with Badge from the Kharkiv City Council (2024)

Membership in Professional Associations:

Member of the Specialized Academic Council for the Defence of Doctoral Dissertations at NTU "KhPI"; Member of Ad Hoc Specialized Councils for the Defence of PhD Theses; KhAI Alumni Association

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Ashhepkova , N., & Koshovyi, M. (2024). Synthesis of a series compensator for the control system of an autonomous mobile robot. Journal of Rocket-Space Technology, 33(4-29), 86-92. https://doi.org/10.15421/452455
2. Zabolotnyi O., Koshovyi M. An effective method of bulk materials moisture measurement using capacitive sensors. печат. Journal of Stored Products Research. – 2020. – Vol. 89. https://doi.orq/ 10.1016/j.jspr.2020.101733
3. Korobiichuk J., Bezvesilna O., Kachniars M.,Kvasnikov V., Koshovyi M. Methods and ways of piezoelectric Accelerometers Fastening on the Objects of Research печат. Acta Physica Polonica A., 2018, vol.133, Issue 4, p.1112-1115. doi:10.12693/APhysPolA.133.1112
4. Koshovyi M., Ashhepkova N.S., Luchko A.S. Modeling of manipulator grip reaches with regard to generalized coordinate constraints. Naukovyi Visnyk Natsionalnoho Hirnychoho Universitetu. 2022.№1. С.123-127. doi:10.33271/nvngu/2022-1/123
5. Zabolotnyi O., Koshevoy N., Zabolotnyi V. Grain moisture measurement system with robust transfer function, invariant to the change of a physico-chemical grain composition. INMATEN – Agricultural Engineering. – 2023. – Vol. 69. – no.1. – pp. 389-398. DOI: https://doi.org/10.35633/inmateh-69-36.
6. Koshevoy N., Pylypenko O.T., Ilyina, I.V., Tokariev,V.V. Growing tree method for optimization of multifactorial experiments. Radio Electronics, Computer Science, Control, 2023, №3 (66), С.55-63.
7. Koshevoy N., Ashhepkova N.S. Development of the device for remote control of the manipulator calculation programs. Scientific-Practical Conference: “Promising areas of theoretical and applied research’2023”. USA, Seattle, November 28, 2023. 5 p.

Books, Chapters in Collective Monographs:

8. Zabolotnyi, O.V., Nikulin, S.S., Siroklyn, V.P., Koshevoy, N.D. (2025). Study of Quadcopter Flight Dynamics and Reactions to Controls and Disturbances Using Dedicated Test Bench. In: Lytvynov, O., Pavlikov, V., Krytskyi, D. (eds) Integrated Computer Technologies in Mechanical Engineering - 2024. ICTM 2024. Lecture Notes in Networks and Systems, vol 1473. Springer, Cham. https://doi.org/10.1007/978-3-031-94845-9_26
9. Zabolotnyi, O.V., Zabolotnyi, V.A., Koshevoy, N.D. (2024). Two Factor Dispersion Analysis of the Capacitive Grain Moisture Meters’ Transfer Function. In: Nechyporuk, M., Pavlikov, V., Krytskyi, D. (eds) Integrated Computer Technologies in Mechanical Engineering - 2023. ICTM 2023. Lecture Notes in Networks and Systems, vol 1008. Springer, Cham. https://doi.org/10.1007/978-3-031-61415-6_44
10. Ashhepkova N. S., Koshevoy N. D. Scientific research in modern conditions of instability: Analysis of dynamics and control of autonomous mobile robots. Monographic series «European Science». Book 34. Part 1. 2024. https://doi.org/10.30890/2709-2313.2024-34-01

Links to Citation Database Profiles:

Scopus: https://www.scopus.com/authid/detail.uri?authorId=9532888400

WOS: https://www.webofscience.com/wos/author/record/U-8799-2019
Google scholar: https://scholar.google.com/citations?hl=ru&user=V2mPs1gAAAAJ

ADDITIONAL INFORMATION:

Language Proficiency:
Ukrainian, English (with dictionary)

IT Skills:
Beginner