Personal information

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PROFESSIONAL AND ACADEMIC POSITIONS:

2003 to current — Associate Professor of the Department of Computer Mathematics and Data Analysis, National Technical University "Kharkiv Polytechnic Institute";

1994 – 2003 — Associate Professor, Department of Applied Mathematics, National Technical University "Kharkiv Polytechnic Institute";

1984 – 1994 — Junior Researcher, Institute for problems in Machinery named after A.M. Pidgorny of National Academy of Sciences of Ukraine

1981-1984 — Post-Doctoral student, Institute for problems in Machinery named after A.M. Pidgorny of National Academy of Sciences of Ukraine

EDUCATION:

Associate Professor of the Department of Applied Mathematics (July, 2001)
Candidate of technical sciences (Fabruary, 1992), Institute for problems in Machinery named after A.M. Pidgorny of National Academy of Sciences of Ukraine, Kyarkiv, Ukraine
Specialization: Dynamics and durability of machines
Specialist Degree (Specialist Degree Dynamics and durability of machines (Fabruary, 1981, 5 years), National Technical University "Kharkiv Polytechnic Institute" Kharkiv, Ukraine
Concentrations: mechanical engineer-researcher

COURSES TAUGHT

Extensive teaching at all university levels: Bachelor/Master:
- Higher mathematics (in Ukrainian),
- Probability theory and mathematical statistics (in Ukrainian).

FIELDS OF RESEARCH INTEREST:

- Mathematical modeling,
- Mathematics in economics

SUMMARY OF CAREER ACHIEVEMENTS

- Prepared and published over 50 scientific papers and teaching aids in mathematics and computer science

PROFESSIONAL MEMBERSHIPS:

- VGO "Ukrainian Association of Information Technology Specialists EDRPOU 35701828. Provision of educational services of professional development according to KVED 85.59

- Certificate of the Central Committee of the Central Committee No. PO822-0048, issued on 9/3/2022
- Course "ICT in education", in the direction of using information, communication and digital technologies in the educational process, including e-learning, information and cyber security
- CISCO Academies program. Course "IT Essentials (Fundamentals of PC hardware and software)", STEM practice on the basics of computer operation. Certificate No. b\n dated 06/28/2022

RELATED PUBLICATIONS

Books

Higher mathematics in examples and problems: teaching method. manual. Part 1. Elements of linear algebra. Analytical geometry on the plane / T. L. Kornil, G. O. Holotaystrova, S. E. Garder; National technical Kharkiv University. polytechnic institute". - Kharkiv: Madrid, 2020. - 80 p. ISBN-978-617-7845-93-4
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Workshop on the course "Mathematical analysis". Rows: educational method. manual / Gelyarovska O. A., Kostyuk O. V., Lyubchyk L. M., Garder S. E., Homozov E. P., Kornil T. L., Kolbasin V. O. – Kharkiv: Madrid Printing House, 2022. - 227 p. ISBN-978-617-7988-95-2
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Papers
- Financial time series forecasting using a recurrent neural network/ T.L. Kornil, K.A. Kondratenko // Abstracts of reports. XXVIII International scientific and practical conference MicroCad-2020. Kharkiv, October 28-30, 2020. Part IV (of five), c.332.
http://repository.kpi.kharkov.ua/handle/KhPI-Press/49069
- Modeling the development of epidemics in a limited area./ Ostapenko B.S., Kornil T.L. // Abstracts of reports. XXIX International Scientific and Practical Conference MicroCad-2021. Kharkiv, May 18-20, 2020. Part IV (of five), c.260.
https://repository.kpi.kharkov.ua/handl/KhPI-Press/52705
- Development of a system of access to the territory of the institution using facial recognition technology/ Novikova D.A., Garder S.E., Kornil T.L. // Abstracts of reports. XXX International scientific and practical conference MicroCad-2022. Kharkiv, October 19-21, 2022. Part IV c.849.
https://repository.kpi.kharkov.ua/handl/KhPI-Press/58546
- Detection of fraud among bank transactions./ Serhiychuk M. V., Garder S. E., Kornil T. L. // Theses of reports. XXXII International Scientific and Practical Conference MicroCad-2023. Kharkiv, May 17-20, 2023, c.1088.