

MYKOLA KARPENKO

Position Associate Professor (part-time)
academic degree, academic title of PhD in Technical Sciences, Associate Professor

ACADEMIC DISCIPLINES TAUGHT

Name of discipline / for which level of higher education

1. Information systems and technologies / bachelor

MAIN SCIENTIFIC PUBLICATIONS

Provide a list of the main scientific and methodological works within the speciality and related to the discipline taught by the NPD. 5-6 titles.

1. Karpenko M.Y., Shtelma O.M., Karas P.R. Using expert evaluation methods to determine the performance indicators of a trading enterprise // Communal Services of Cities. - 2022. - Issue 168. - pp. 7-11. // Electronic resource <https://khg.kname.edu.ua/index.php/khg/article/view/5905>

2. Karpenko M.Y., Shtelma O.M., Baranchuk I.S. Model of competitive output as a component of the distance learning system // Communal Services of Cities. - 2022. - Issue 170. - pp. 2- 6. // Electronic resource <https://khg.kname.edu.ua/index.php/khg/article/view/5942/5861>

3. Karpenko M.Y., Shtelma O.M. Dynamic model of economic equilibrium as a component of the distance learning system, Municipal Economy of Cities (156). Kharkiv, 2020, pp. 88-93. ISSN 2522-1809, pp. 88-931. // Electronic access <https://khg.kname.edu.ua/index.php/khg/article/view/5603>

4. Karpenko M.Y., Shtelma O.M. Resource allocation models in hierarchical management systems // Communal Services of Cities. - 2020. - Issue 154. - pp. 120-125. // Electronic access <https://eprints.kname.edu.ua/55623/1/5541-%D0%A2%D0%B5%D0%BA%D1%81%D1%82%20%D1%81%D1%82%D0%B0%D1%82%D1%82%D1%96-11501-1-10-20200409.pdf>

5. Gavrilenko I., Karpenko N., Litvinov A.. Diagnostics of functional reliability of pipeline systems // Intelligent computer-integrated information technology in project and programme management: Collective Monograph edited by I. Linde, I. Chumachenko, V. Timofeyev - Riga, ISMA University, 2020. - 324 p. (P. 54 - 63). // Electronic access <https://mmpconf.org/documents/archive/monography2020.pdf>

6. Workshop on information and communication technologies: a textbook / M. V. Novozhylova, M. Y. Karpenko, B. P. Bocharov et al: KhNUMH named after A.M. Beketov, 2023. 132 p. Electronic access: https://dl.kname.edu.ua/pluginfile.php/252730/mod_resource/content/2/%D0%9F%D1%80%D0%B0%D0%BA%D1%82%D0%B8%D0%BA%D1%83%D0%BC%D0%A3%D0%BA%D1%80_%D0%BF%D0%BE%D1%81%D0%BB.pdf

7. Distance courses:

E-commerce Information Systems, <https://dl.kname.edu.ua/course/view.php?id=3822>

Information systems and technologies in organisational management, <https://dl.kname.edu.ua/course/view.php?id=3242>

Computer graphics, <https://dl.kname.edu.ua/course/view.php?id=1941>

Course work "Design of information systems and software products", <https://dl.kname.edu.ua/course/view.php?id=3201>

Educational practice (KN and ISTAT), <https://dl.kname.edu.ua/course/view.php?id=1939>

Design of information systems and software products, <https://dl.kname.edu.ua/course/view.php?id=3151>

Electronic document management systems, <https://dl.kname.edu.ua/course/view.php?id=853>

8. Gavrilenko I. A., Karpenko N. U., Litvinov A. L. Automated system of the diagnostics of the reliability of pipeline systems // Proceedings of the International Scientific and Practical Conference "Mathematical Modelling of Processes in Economics and Project and Programme Management" (MMP-2020). <https://science.kname.edu.ua/images/dok/konferentsii/2020konf/TezyMMP2020-.pdf>

9. Gubka D. O., Karpenko M. Y. Audit as a component of information security // Proceedings of the IV All-Ukrainian Internet Conference of Higher Education Applicants and Young Scientists "Information Technology: Theory and Practice", 17-19 March 2021, pp. 161- 162. <https://ir.nmu.org.ua/handle/123456789/1594853>

3. Karpenko M. Y. Model of resource allocation in a multi-level management

system / Karpenko M. Y., Havrylenko I. O. // Proceedings of the International Scientific and Practical Conference "Modern Trends in the Development of Urbanised Territories", Kharkiv, 22-24 May 2019, pp. 119-120. <https://ojs.kname.edu.ua/index.php/area/article/view/2283>

10. Karpenko M.Y., Galieva K.I. Computer model of economic equilibrium / Karpenko M.Y., Galieva K.I. // XIII All-Ukrainian Scientific and Technical Conference "Sustainable Urban Development", Kharkiv, part 4, 17-19 March 2020, pp. 159-160. https://eprints.kname.edu.ua/57825/4/%D0%A7.%20%D1%82%D1%83%D1%80%D0%B8%D0%B7%D0%BC%2C%20%D0%B8%D0%BD%D1%84%D0%BE%D1%80%D0%BC%D0%B0%D1%86%D0%B8%D0%BE%D0%BD%D0%BD%D1%8B%D0%B5%20%D1%82%D0%B5%D1%85%D0%BD%D0%BE%D0%BB%D0%BE%D0%B3%D0%B8%D0%B8_2020.pdf

11. Karpenko M. Y. Model of resource allocation of hybrid enterprises with a single nature of the production process / Karpenko M. Y., Biletska A. E., Pozniakov D. E. // V All-Ukrainian Internet Conference of Higher Education Applicants and Young Scientists "Information Technology. Theory and Practice", Zaporizhzhia, 10 June 2022. pp. 22-24. https://ir.nmu.org.ua/bitstream/handle/123456789/160887/%d0%97%d0%b1%d1%96%d1%80%d0%ba%d0%b0_%d1%82%d0%b5%d0%b7_%d0%ba%d0%be%d0%bd%d1%84%d0%b5%d1%80_I%d0%a2%d0%a2%d0%9f%282022%29.pdf?sequence=1&isAllowed=y

12. Karpenko M. Y., Andriushchenko V. O. Development of a smart home security alarm system // Abstracts of the III All-Ukrainian Scientific and Practical Internet Conference of Higher Education Applicants and Young Scientists, 2020, Kharkiv. C. 24 - 25. Electronic access https://knit.kname.edu.ua/images/new/web2020/theses_2020.pdf

Methodological materials

1. Karpenko M.Y. Electronic document management in professional activity: lecture notes for students of all forms of study of the educational level "bachelor", specialities 126-Information systems and technologies, 151-Automation and computer-integrated technologies; Kharkiv. National University of Municipal Economy. A.N. Beketov National University of Municipal Economy: KhNUMG named after OM Beketov, 2020. 67 c.
2. Karpenko M.Y. Methodical recommendations for independent work in the discipline "Higher Mathematics". Kharkiv, 2022. 25 c.
3. Karpenko M.Y. Methodical recommendations for independent work in the discipline "Mathematical Statistics and Mathematical Methods in Psychology". Kharkiv, 2023. 36 c.

SCIENTIFIC AND PUBLIC ACTIVITY (IF ANY)

Indicate the activity related to the speciality and profile of the OP.
 Membership in professional organisations, membership in editorial boards of scientific publications, participation in the jury of professional competitions, membership in specialised academic councils, etc.

ADDITIONAL INFORMATION (IF ANY)

Professional development in the last 5 years:

1. Ukrainian State University of Railway Transport, Certificate of advanced training PC 01116472/00075-22, under the programme of improving the quality of teaching disciplines "Electronic document management systems", "Design of information systems and software products", "Computer graphics", dated 20.04.2022, 6 credits (180 hours)
2. Kharkiv IT Cluster "PYTHON PROGRAMMING. OVERVIEW OF THE POSSIBILITIES OF USING PYTHON FOR BIG DATA AND DATA SCIENCE" No. PC-315 of 28.03.2023, 6 credits (180 hours).

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