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ACADEMIC QUALIFICATIONS

Academic Degree

2023: PhD Doctor 6D070300 - Information Systems

Research Area: Artificial Intelligence, Neural Networks

PROFESSIONAL AND PEDAGOGICAL QUALIFICATION ENHANCEMENT ABROAD

- Certificate № 28 from the University of Žilina (Slovakia) for 72 hours "Data Analysis", 2023
- Certificate № 041 from the University of Žilina (Slovakia) for 72 hours "Reliability Theory", 2023
- Certificate from Kafrelshikh University (Egypt) for 72 hours "Digitalization in Agriculture", 2025

RESEARCH DIRECTION

Participation in research work within the state order:

2025-2027: Principal Investigator of the scientific project "Zhas Galym"

AP25796141 "Educational platform for personalized learning using AI and gamification, promoting the development of critical thinking in students"

H-index: 2

Publications in Web of Science, Scopus

1. E. Zaitseva, V. Levashenko, V. Mysko, S. Czapp, D. Zhaxybayev Availability of UAV Fleet Evaluatmion Based on Multi-State System// IEEE Access, vol. 12, pp. 15290-15307, 2024, doi: 10.1109/ACCESS.2024.3358198. (Scopus, Percentile 89 (2022) Q1)
2. E. Zaitseva, R. Mukhamediev, V. Levashenko, A. Kovalenko, M. Kvassay, Y. Kuchin, A. Symagulov, A. Oksenenko, Z. Sultanova, D. Zhaxybayev Comparative Reliability Analysis of Unmanned Aerial Vehicle Swarm Based on Mathematical Models of Binary-State and Multi-State Systems // Electronics 2024, 13(22), 4509; <https://doi.org/10.3390/electronics13224509>
3. D. Zhaxybayev, M.N.Bakiyev New metric that uses a measure of resemblance between terms to take into account the notion of semantic proximity // Journal of Theoretical and Applied Information Technology, 2021, Vol. 99, No. 8, pp. 1915-1930.

Publications in CQAFS MSHE RK

1. G.N. Mizamova, A.G. Zhakhiena, S.K. Baigubenova, G.A. Kamalova, D.O. Zhaxybayev "Forecasting the volume of data traffic using a time series model" // Bulletin of NAS RK, №4(94), 2024, pp. 30-39
2. D.O. Zhaxybayev "Markup of text collections with keywords – aspects of automation" // Bulletin of NAS RK, №1(83), 2022, pp. 124-135
3. D.O. Zhaxybayev, G.N. Mizamova "Natural Language Processing Algorithms for Understanding the Semantics of Text" // Proceedings of the Institute for System Programming of the RAS, Vol. 34(1), 2022, pp. 141-150
4. D.O. Zhaxybayev "The Application of Neural Networks in the Construction of a Program for the Markup of Text" // "Software Engineering", 2022, Vol. 13, No. 3, pp. 142-147
5. D.O. Zhaxybayev, M.N. Bakiyev "Automation algorithm of the information search and fixation in unformalized messages for the management of socially significant intelligent projects" // Bulletin of VSU. Series: System Analysis and Information Technologies, 2022, No. 1, pp. 139-152

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1. Copyright Certificate. Computer Program "Semantic Classifier of Verbs" № 24874 dated 07.11.2021 (author Zhaxybayev D.)
2. Copyright Certificate. Computer Program "Text Classification Based on Word Frequency for the Kazakh Language in the Thematic Field 'Ecology'" №26676 dated 31.05.2022 (author Zhaxybayev D.)
3. Copyright Certificate. Computer Program "PyPolisher — an application for software analysis" №47704 dated 20.06.2024 (authors Dushaeva T., Kamelov N., Zhusip M., Zhaxybayev D.)