


SUMMARY

 <p>Aigul Shaikhanova</p> <p>L.N.Gumilyov Eurasian National University Professor of the Department of "Information Security"</p> <p>11, Pushkin st., Astana, 010000, Republic of Kazakhstan, Phone:+7-702-858-47-11 shaikhanova_ak@enu.kz</p>	<p>Academic degree and title, scientific school:</p> <p>2012-2015 K.I. Satbayev KazNRTU, Almaty</p> <ul style="list-style-type: none"> • Faculty: Information Technology • Specialty: 6D070400 - Computer Science and Software <p>Doctor of Philosophy (PhD), Diploma GD No. 0001048, 2015</p> <p>Dissertation topic: "Methods and means of access distribution in the organization of a network information security system based on fuzzy logic".</p> <p>2009-2011 KazFEA, Semey</p> <ul style="list-style-type: none"> • Faculty: Information Technology • Specialty: 5M070300 "Information systems", Master of technical sciences <p>1993-1998 Shakarim State University of Semey</p> <ul style="list-style-type: none"> • Faculty: mechanical engineering • Specialty: Automation of technological processes and production • Qualification: engineer <p>Academic degree - Associate Professor on specialty of "05.13.00 - Computer Science, Computer Engineering and Control", diploma DC №000382, 2021</p>
<p>Professional experience:</p> <p>2022 -now NJSC «L.N. Gumilyov Eurasian National University», Professor of the Department of Information Security;</p> <p>2021 - 2022 JSC "KazUTB of Astana", Dean of the Faculty of Technology, Assoc. Professor of the Department of Information Technologies;</p> <p>2016- 2021 NJSC "Shakarim University of Semey", Dean of the Faculty of Information and Communication Technologies;</p> <p>Winner of the title "Best University Teacher - 2018";</p> <p>2015- 2016 Shakarim State University of Semey, Acting assoc. Professor of the Department of Automation and Computer Engineering;</p> <p>2006-2012 Shakarim State University of Semey, Senior Lecturer, Department of Automation and Computer Engineering;</p> <p>1998-2006 Semipalatinsk Polytechnic College, teacher of informatics.</p>	<p>Scientific interests:</p> <ul style="list-style-type: none"> - theory of analysis and risk assessment of information security; - computer network security theory; - Internet of Things. <p>Publications: h-index = 5</p> <p>ORCID: https://orcid.org/0000-0001-6006-4813</p> <p>In total, 4 teaching aids, 2 monographs and more than 80 scientific papers have been published, including:</p> <ul style="list-style-type: none"> • Control of Telecommunication Network Parameters under Conditions of Uncertainty of the Impact of Destabilizing Factors. <i>Information</i>, 2024, 15, 69/ V. Kozlovskiy; I. Shvets; Yu. Lysetskiy; M. Karpinski; A. Shaikhanova; G. Shangytbayeva. https://doi.org/10.3390/info15020069/ Percentile – 72. • Fire detection using deep learning methods. <i>International Journal of Electrical and Computer Engineering</i>. 2024, Vol 14, No 1. A.Bayegizova, G. Abdikerimova, S. Kaliyeva A.Shaikhanova and etc. DOI: 10.11591/ijece.v14i1.pp547-555/ Percentile -65 • Detection of heart pathology using deep learning

Certificates:

- Course "Detection and mitigation of cyber threats and attacks." www.coursera.org, 27.11.2023-26.01.2024, L.N. Gumilyov Eurasian National University;
- Course "Proactive computer security" www.coursera.org, 27.11.2023-26.01.2024, L.N. Gumilyov Eurasian National University;
- Course «Blockchain Engineering Training» (72ч). 20.02.2023-16.06.2023. Blockchain Center;
- Course on training experts in the evaluation of textbooks and teaching aids (72 hours), August-September 2021, MES PC;
- The program "i-Teacher: Digital Education - Competence Cyberteacher - Renaissance" (80 hours), 01/11/2021 - 03/31/2021, Demirel Suleyman University, FAO "NCPC Orleu";
- Course "Educational technologies in the IT direction" (72 hours), 07/01/2019 - 07/14/2019, Eastern Mediterranean University (Northern Cyprus);
- Course "Management in Education" (72 hours), IPK and DO ENU. L.N. Gumilev, 02/19/2019 - 03/02/2019, Nur-Sultan;
- Course "Chip protection technologies", 06/16/2017 - 07/11/2017, Sofia Polytechnic University (Bulgaria);
- Course "Ensuring Information Security in Cloud Technologies" (72 hours), 14.12.2015-25.12.2015, University of Bielsko-Biala (Poland);
- Certificate of accreditation as a subject of scientific and (or) scientific and technical activities for a period of 5 years (until 06/23/2027).

Awards:

- Honorary diploma of the Minister of the Ministry of Education and Science of the Republic of Kazakhstan (2018).
- Honorary diploma of Akim of Semey city (2019, 2020).
- Letter of thanks on the Day of Science, Akimat of Nur-Sultan (2022).
- Honorary diplomas of the Rector of Shakarim State University of Semey (2015, 2017).

methods. *International Journal of Electrical and Computer Engineering*. 2023, Vol 13, No 6. A.Naizagarayeva, G. Abdikerimova, A. Shaikhanova and etc. DOI: [10.11591/ijece.v13i6.pp6673-6680](https://doi.org/10.11591/ijece.v13i6.pp6673-6680)/ Percentile - 65.

- On the Problem of Visualization of Big Graphs for Infrastructure Engineering. Mechanisms and Machine Science, 107/ Martsenyuk, V., Karpinski, M., Shaikhanova, A., Martsenyuk, O.- – **Springer**, 2022- Pp. 277–288. – ISBN:978-3-030-76787-7. – DOI:10.1007/978-3-030-76787-7_13 - Chapter in monograph.

- Access Distribution Scheme to the Computer System Based on Fuzzy Logic. Graph-Based Modelling in Engineering / Eds. S. Zawiślak, J. Rysiński. – **Springer**, 2017. – Pp. 39-50. – ISBN 978-3-319-39018-5. – DOI 10.1007/978-3-319-39020-8. – Chapter in monograph;

- Evaluation of Information Security Software Using Quality and Reliability Criteria. Karpinski M.; Ziubina R.; Shaikhanova A.; Azatov A.; Teliushchenko V.; Falat P. IDAACS-SWS 2020 - 5th IEEE International Symposium on Smart and Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems, Proceedings, 2020, 9297080, ISBN:978-1-7281-9960-3.

- Detection environment formation method for anomaly detection systems. Zhumangaliyeva N., Korchenko, A., Doszhanova, A., Shaikhanova A. Journal of Theoretical and Applied Information Technology, 2019, 97(16), c. 4239-4250.

- Fuzzy modeling and control of the catalytic cracking unit on various types of information. Orazbayev B., Kozhakhmetova D., Shaikhanova A., Bekbaeva R., Zolotov A. Journal of Theoretical and Applied Information Technology, 2020, 98(11), c. 4239-4250;

- Development of Intrusion Monitoring System in Wireless Sensor Networks Based on Neural Networks. Belej O., Karpinski M., Shaikhanova A. Veselska O., Azatov A IDAACS-SWS 2020 - 5th IEEE International Symposium on Smart and Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems, Proceedings, 2020, 9297080, ISBN:978-1-7281-9960-3.

- 6 certificates of copyright registration for the computer program (2016-2023).