Shakhmetova Gulmira Baltabayevna

ENU named after L.N.Gumilyov Senior lecturer of the Department "Information security"

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Professional experience
Experience in the field of education and science:
 "Total experience of 16 years"
- 2004-2005-Institute of Economics and Statistics of Astana. Teacher.
- 2005-2006 L. N. Gumilyov Eurasian national University. Department of Computer Engineering and Information Systems. Faculty of Mathematics and Information technologies. Teacher.
- 2006 July-2006 December-JSC "Center for international programs". Department of monitoring and control. Lead manager.
- 2010-2017-L. N. Gumilyov Eurasian national University. Department of Computer science and information security. Faculty of Information technologies. Senior lecturer.
- 2020 September-present - L. N. Gumilyov Eurasian national University. Department of Information security. Faculty of Information technologies. Senior lecturer.

Academic degree and title, scientific school:
- 2017-2020 L. N. Gumilyov Eurasian national University. Doctoral study. Specialty "Computer Science"
- 2007-2009 Asia-Pacific Institute of Information Technology (APIIT) under the program of Staffordshire University UK, Malaysia, Kuala Lumpur
Course: MSc in Multimedia Applications Management
- 2007 January-2007 -2007 July University College of Technology and Innovation, Malaysia, Kuala Lumpur Intensive English Program
-2003-2005 L. M. Gumilyov Eurasian national University. Faculty: Mathematics and Information technology. Master of computer science. Specialty "Applied mathematics and computer science"
- 1999-2003 Karaganda State University. Buketovastreet. Bachelor. Specialty "Applied mathematics".

Scientific internships
1) 15.03.2019 - 11.06.2019
UPM, Kuala Lumpur, Malaysia
Scientific internship on the topic
of dissertation research.
2) 10.11.2020-07.12.2020. ENU L.N. Gumilyov
Digital skills of a modern teacher in distance learning (72 hours)
3) 11/01/2020-12/15/2020. MISiS. Moscow
Methods of student-centered learning at the university (72 hours, online)

Scientific interest:
Information security, the theory of languages and automata, database protection, and finite-machine cryptography.

Available courses:
 Assembly language programming, Web application Design, computer network Security, Cryptanalysis, signal transfer Theory, computer information security Technologies, database Protection. Theory of data base, Java-programming

Publications (favorites):

1. Shakhmetova G. B., Issainova A. N., Issabayeva G. J. Mobile training // Informatization of society: proceedings of the 6th international scientific and practical conference. - Astana, 2018, Pp. 82-83

2. G. B. Shakhmetova, A. A. Sharipbay, Zh. S. Saukhanova, G.Zh. Isabayeva. Application of finite automata for the development of asymmetric ciphers. Proceedings of the V International scientific and practical conference "intelligent information and communication technologies-a means of implementing the third industrial revolution in the light of the strategy "KAZAKHSTAN-2050".2018, 286 pages.

3. G. B. Shakhmetova. Finite automata without outputs in cryptography. XIII international scientific conference of students and young scientists "Science and education 2018", April 12, 2018, 767 – 770 pages

4. Shakhmetova G. B., Zh. S. Saukhanova, A. A. Sharipbay. The use of finite automata without output in data encryption. Bulletin of State University named after Shakarima, Semey. №1 (85) of 2019, 138-143 pages.

5. Sharipbay A. A., Saukhanova Zh. S., Shakhmetova G. B., Sauhanova M. S. Ontology of finite-automaton cryptography. Ontology of design. – 2019. - Vol. 9, No. 1(31) – - P. 36-49.

6. Saukhanova Zh. S., Shakhmetova G. B., Saripbay A. A., Ulukova G. B. The use of reversible automata in asymmetric cryptosystems. Bulletin of the AUES No. 1 (48), 2020, SS. 118-124.

7. A.A.Sharipbay, Zh.S.Saukhanova, G.B. Shakhmetova, N.S.Saukhanov Application of finite automata in cryptography ICEMIS '19: Proceedings of the 5th International Conference on Engineering and MIS June 2019 Article No.: 20 Pages 1–3.
Indexing: Scopus. Percentile (Scopus) in the category Computer Network and Communication = 22

8. Shakhmetova G. B. Saukhanova Zh. S. About algorithms that define reversible finite automata with memory. XV international scientific conference "YLYLYM JÁNE BILIM-2020»", April 11, 2020, 496-500 pages.

9. Saukhanova Zh. S., Shakhmetova G. B., Saukhanova M. S. Certificate of state registration for the copyright object for the program "Testing finite automata for reversibility" No. 9600 dated may 4, 2020.

10. Saukhanova Zh. S., Shakhmetova G. B., Saukhanova M. S. Certificate of state registration for the copyright object for the program "Building the composition of finite automata" No. 11644 dated August 14 , 2020.

11. Shakhmetova, G., Saukhanova, Z., Udzir, N.I., Sharipbay, A., Saukhanov, N. Application of pseudo-memory finite automata for information encryption(Conference Paper)//CEUR Workshop Proceedings. Vol. 2853, 2021, Pages 330-339 2nd International Workshop on Intelligent Information Technologies and Systems of Information Security, IntellTSIS 2021; Khmelnytskyi; Ukraine; 24 March 2021 - 26 March 2021. ISSN: 16130073. Scopus.

12. Aidarbekov Aidiye, Zhusippaliev Nurbakhyt, Imasheva Kalamkas, Amirshin Bakhtiyar, Scientific supervisor – G. Shakhmetova. Non-fungible token technology as a part of different fields of new media, cyber security, crypto and even filmmaking // XVII International scientific conference «ĠYLYM JÁNE BILIM- 2022», 2022 г.

13. Aidiye Aidarbekov, Gulmira Shakhmetova and Kamshat Asmaganbetova. Informational Technologies in Film Production - How ICT shaping Media Industry// 4th IEEE International Conference on Advanced Information and Communication Technologies (AICT), 2021. Ukraine

14. Ospanova, A.,Kussepova, L., Tuleuov, B.,Shakhmetova G.,Sabyrova, M.,Zharaskhan, N. Cloud Services Projects to Support Small and Medium-Sized Businesses and Approaches for their Commercialization // 13th National Conference with International Participation, ELECTRONICA 2022