Curriculum Vitae

Dina Satybaldina

Current Employer: L.N.Gumilyov Eurasian National University
Position: Head of Information Security Department
Business Address: 2, Satpayev Str., Astana, Republic of Kazakhstan, 010008
Phone: +7 (701) 5384075
E-mail: satybaldina_dzh@enu.kz
Web www.enu.kz, https://fit.enu.kz/subpage/rukovodstvo-kaf-iib

Education and Degrees Held:

PhD in Computer Science

al-Farabi Kazakh National University, 2011, Almaty, Republic of Kazakhstan

Thesis: Development of cryptographic methods and algorithms for information security

Candidate (PhD) in Physical and Mathematical Sciences (Physics of Solid State)

E.A.Buketov Karaganda State University, 1995-2000, Karaganda, Republic of Kazakhstan

Thesis: Molecular architecture and optical properties of Langmuir films of the organic phosphors

Bachelor in Physics and Computer sciences

Akmola Pedagogical Institute (now L.N. Gumilyov Eurasian National University), 1988-1993, Astana, Republic of Kazakhstan. **Diploma with honors**

Academic degree - Associate Professor on specialty of "05.13.00 - Computer Science, Computer Engineering and Control", 2006.

Work experience::

2020 -now Head of Information Security Department at L.N. Gumilyov Eurasian National University. ENU Cloud Computing Security Laboratory

2016 - 2020 Professor of the Computer Engineering Department at L.N. Gumilyov Eurasian National University

2011-2016 Ass. Professor of the Computer Engineering Department at L.N. Gumilyov Eurasian National University

2006- 2007 Director of the Monitoring and Control Department at JSC "Center for International Programs"

2001-2006 Senior Lecturer, Associated Professor of the Department of Computer Science and Information Systems

2000-2001 Lecturer in the Physics Department at Karaganda State University

1993-1995 Lecturer in the Physics Department of the Eurasian State University (now L.N. Gumilyov Eurasian National University).

Publications, H=5

The total number= more than 115, including:

- Satybaldina, D., Kalymova, G. Deep learning based static hand gesture recognition// Indonesian Journal of Electrical Engineering and Computer Science, 21 (1), (2021) pp. 398-405.
- Satybaldina, D., Kalymova, G., Glazyrina, N. Application development for hand gestures recognition with using a depth camera//Communications in Computer and Information Science, (2020), vol. 1243. - pp. 55-67.
- Kopeikin A., Tokhtabayev A., Tashatov N., Satybaldina D. tLab: A system enabling malware clustering based on suspicious activity trees // Lecture Notes in Computer Science (2017), vol. 10446. – pp. 195-210.
- Tokhtabayev A., Kopeikin A., Tashatov N., Satybaldina D. Malware Analysis and Detection via Activity Trees in User-Dependent Environment // Lecture Notes in Computer Science (2017), vol. 10446. – pp. 211-222.
- Patent of the Republic of Kazakhstan on the way to the soft multithreshold decoding of the error-correcting code (2016);
- 10 certificates of copyrights registration for the

	computer program (2015-2020)
Fund research: -Leading Researcher of the National Assembly of the project "AP06850817 Cyber Shield: Development of Lightweight Cryptographic Systems and Information Security Technologies for the Internet of Things". Customer and source of funding: Ministry of Digital Development, Innovation and Aerospace Industry of the Republic of Kazakhstan. Agreement No.: No. 9 dated 03/19/2020. Head the projects: Seitkulov E.N.; -Head of the project "Development of the cloud business - information security risk assessment of applications enterprises and organizations" (2013); - Leading Researcher of the project "Development of methods and algorithms for protection of information systems in the cloud-based data storage and processing of error-correcting codes" (2012-2014), Head the projects: Tashatov N.N.; - Leading Researcher of the project "Development of methods to increase the efficiency of multithreshold decoding non-binary error-correcting codes for reliable data storage algorithms electronic storage of data", Head the projects: Tashatov N.N., (2013-2015).	**Research Interests:** - theory and practice of cryptography, - digital forensics - analysis and evaluation of information security risks, - an error-correcting coding, - the spectral-luminescent properties of nanomaterials (mono- and multimolecular films of organic phosphors) – digital image processing, – intelligent systems **Teaching experience** *Include here only the courses in recent years.* Neural computing and their applications Academic Writing Digital forensics Fundamentals of Cryptology Cryptographic Engineering Cryptographic Protocols Scientific Foundations of Quantum Informatics
Certificates: • Management in education, L.N. Gumilyov Eurasian National University, December 2-12, 2020, Nur-Sultan; • Development and implementation of quality management systems in accordance with the requirements of standards ISO 9001: 2000, OHSAS 18001: 2001, ISO 14001: 2004, ISO 27001: 2005 - 2006, Astana, Certificate EVROCERT; • International standard BS ISO / IEC 27001: 2005. ISMS - 2007, Astana, BSI RUSSIA Certificate; • Training of leading auditors of information security management system, 2007, London, UK, BSI MANAGEMENT SYSTEMS Certificate	**Ph.D. thesis supervisor:** • Aigul Adamova, Ph.D. degree in Computer Engineering: "Research and implementation of enhancing the reliability of information transmission methods in telecommunication systems", L.N. Gumilyov Eurasian National University, Astana, Republic of Kazakhstan (2016); • Raihan Muratkhan, Ph.D. student in Computer Science: "Methods and intellectual assessment of information security risks algorithms", L.N. Gumilyov Eurasian National University, Astana, Republic of Kazakhstan (2019).
Professional Activities – Member of IEEE (2015-…). – Member of IEEE Communications Society (2016-…). – Member of IEEE Information Theory Society (2018-…). – Member of the organizing committee and the	**Awards** – The letter of thanks from the President of the Republic of Kazakhstan (March 2016). – The medal named after Lev Gumilyov (December 2015). – Diplomas of honor from Minister of the Education and Science Ministry of the Kazakhstan

appeals committee II Intercollegiate Student Olympiad "IT and information security, radio and telecommunications", Astana, Republic of Kazakhstan, April 2015.

− Member of the Educational and Methodological Association of the Republican Educational and Methodological Council of Higher and Postgraduate Education (UMO RUMS) under the Ministry of Education and Science of the Republic of Kazakhstan in the areas of "Information and Communication Technologies" and "Information Security;

− Industry expert of the Atlas of New Professions and Competencies in IT Industry of the Republic of Kazakhstan (2020);

− Expert of JSC "National Center for State scientific and technical expertise" for the examination of research reports (2014-2020).

− Expert of State Enterprise "Republican scientific-practical center" Textbook "of the Ministry of Education and Science for the examination of textbooks for high school and secondary education (2013-2020).

− Co-chair of the section of «Signal Processing in Telecommunications» at International Conference «18th International Conference on Communications» (CSCC'14), o.Santorini, Greece, July 17-21, 2014.

− Member of the Technical Program Committee of the International scientific conference "2014 IEEE 8th International Conference on Application of Information and Communication« Technologies» (AICT2014), Astana, Republic of Kazakhstan, 15-17 October 2014.

Republic (2018).

− Certificate of honor of the National Telecommunications Association "For a special contribution to improving the quality of human capital in the telecommunications industry of the Republic of Kazakhstan" (2020).

− Diplomas of honor from Rector of L.N. Gumilyov Eurasian National University (2004, 2015, 2016).

− Grant of the Ministry of Education and Science for young talented scientists (2000-2002)