



NATIONAL DEFENCE ACADEMY



Personal Information

date of birth : 11/02/1974

citizenship : Georgia

Education

1990-1995

Georgian Technical University – Faculty of Information Technology. (Diploma - Engineer Technician)

1995-2000

Georgian Technical University - : Postgraduate Study. Faculty of Information Technology.

2004

Georgian Technical University - : Doctor of Technical Sciences.

Workplace, experience

2014 – up to now High Education Accreditation Expert in Information Technology. National Center for Educational Quality Enhancement

2004-up to now Georgian Technical University – Professor.

2011- up to now David Aghmashenebeli National Defence Academy of Georgia – Associate Professor

2006-2008 Tbilisi Vocation College “Aiti” – Program Coordinator

1999-2004 Georgian Technical University. Engineer-Programmer in Computer Centre.

2003-up to now Non - governmental organization "Amagdari". Database Administrator.

Courses and trainings

EC-Council Certified Security Specialist v9. New Horizons Computer Learning Center. 01/2021. ToT Certificate.

Training - EC-Council Certified Security Specialist v9 - 2021 / 01-2021 / 02

Cisco Networking Academy. 9/06/2020. Instructor Professional Development Week.

"Evaluation of Doctoral Degree Programs" - National Center for Education Quality Development. 2019 November.

"Accreditation Process, Standards and Procedure" - National Center for Education Quality Development. 2019 December.

Georgian Association of Scientific-Educational Computer Networks - "GRENA". 2018 May. Internet of Things Vocational Training Course.

Iowa State University (USA), GTU Professional Development Center, February / 2018 - February. "Teaching and Teaching" Teacher Training Program.

National Defense Academy and NATO Military Education Development Program (DEEP) - February 5-8 / 2018. Georgian Faculty Development Program. Workshop.

Eta and NATO Military Education Development Program, February / 2014 - February / 2014. DEEP - National Georgian Educators' Workshop.

Eta and NATO Military Education Development Program, July / 2013 - July / 2013. DEEP - National Georgian Educators' Workshop "- ASSESSMENT FOR ACTIVE LEARNING AND BASIC CURRICULUM.

GTU Professional Development Center, Iowa State University (USA) February / 2009 - March / 2009. "General Course of Modern Methodology of Teaching".

Cisco Networking Academy. San Jose (USA), December / 2008 - February / 2009. CCNA Exploration 5.0 Trainer Certificate.

Cisco Networking Academy Baku, Academy Name: AzNet Project, August / 2006 September / 2006. Fundamentals of UNIX.

List of scientific papers (last 10 years)

– Articles - 40

List of scientific papers indicated in the bottom

Participation in conferences, congresses, symposia

- International Scientific-Technical Conference "Applications for Pandemic Control and Data Security" - National Defense Academy. 2021. May.

- The International Scientific-Technical Conference "Information Society and Technologies for Intensification of Education". 2021 20-23 May.

- Modern methods of cryptography in information security. David Agmashenebeli Georgian National Defense Academy. Scientific conference dedicated to the 100th anniversary of Georgia's independence. 2018 June 14-15.

- How IoT will change our future. Professor of the Faculty of Science of the Georgian Technical University K. Member of the Organizing Committee of the International Conference "Digital Technologies: Present and

Challenges" dedicated to the 90th anniversary of Kote Kamkamidze. 2018 10 May.

- Protection of Data in Networks. XI All-Russian Conference of Young Teenagers in Mathematical Modeling and Information Technology. October 26-27, 2010 Krasnoyarsk. (<http://www.nsc.ru/ws/YM2010/>).

- In order to determine the reliability of the control system. IX All-Russian Conference of Young Teenagers in Mathematical Modeling and Information Technology. October 28-30, 2008 Kemerovo. (<http://www.nsc.ru/ws/YM2008/>).

- On the method of determining the interval coefficient of readiness. Georgian Technical University. International Scientific Conference "Information Technologies 2008". Tbilisi. 2008.

- Determination of the coefficient of productivity of technical systems with learning and reliability. First Annual International Conference. Current Challenges in Knowledge Management - "Knowledge for Life". Gori University. Georgia 3-4 October 2008.

- On embedded markovian processes with the supplementary variable. National Technical University of Ukraine. Kiev Institute of Mathematics. 2008.

- Transfer of data at the effective application of corrective codes. VIII All-Russian Conference of Young Teenagers in Mathematical Modeling and Information Technology. November 27-29, 2007 Institute of Surveillance Technologies WITH RAN, prospectus Akademika Lavrentyeva, 6, Novosibirsk, 630090, Russia. (<http://www.nsc.ru/ws/YM2008/>).

- Effectiveness and reliability of some technical systems. Stu. International Scientific Conference "Information Technology in Management". Tbilisi, 2007.

- On the other hand, determine the coefficient of utilization of the technical system. National Technical University of Ukraine. Kiev Institute of Mathematics. 2006.

- Automated generations of tests for grade knowledge. National Technical University of Ukraine. Kiev Institute of Mathematics. 2006.

Translated and edited books

- Collection of scientific reports "New Challenges of Cyber Security in the Global Information Space". Editor. 2020 ISBN 978-9941-8-2048-9

- Information technologies. ISBN 978-9941-27-194-6. 2019

- Computer Networks. GTU. 2009 ISBN 99940-ISBN 978-9941-14-646-6 (All Parts) ISBN 978-9941-14-647-3 (Part One)

- Designing of Web pages. GTU. 2005. ISBN 99940-48-95-3

- Operating systems. GTU. 2005w. ISBN 99940-35-52-5

- Visual programming. GTU. 2006w. ISBN 99940-56-50-6

- Spreadsheets - Microsoft Excel. GTU. 2006w. ISBN 978-99940-954-2-1

- Data Protection in Computer Networks (Part 1) - Georgian Technical University. 2007 ISBN 978-99940-957-9-7 (ISBN 978-99940-957-8-0 all parts)

მონაწილეობა სახელმწიფო გრანტით დაფინანსებულ სამეცნიერო-კვლევით პროექტებში

- World Bank, Ministry of Education, Science, Culture and Sport of Georgia (MoESCS), National Center for Education Quality Enhancement (NCEQE) and Teacher Professional Development Center (TPDC) - Strengthening Teacher Quality in Vocational Education and Training. 2020-2021. IT Sector Expert. TOT.

- Development of professional IT programs; Creating assessment tools in information technology modules using modern approaches and methodologies; Training of trainers in the field of vocational education (ToT).

- Shota Rustaveli National Science Foundation. 2018-2019 Project manager. New cyber security challenges in the global information space. Organizing and conducting a seasonal school on the topic of cyber security. ID USAID ZRDA - Creation / Development of e-Learning Programs. 2018-2019. Project manager.

- Mtskheta-Mtianeti Regional Development Agency. Member of the Education Commission (<http://greenregion.weebly.com/>) - The Commission promotes the dissemination of knowledge in our society through the use of Western experience, methodologies and other means in education. (2016-present)

- Millennium Challenge Corporation - Georgia. Small Grants Project: "Development and implementation of an e-learning course in the general module of information technologies" - Project Coordinator. (2016) European Project 516613-TEMPUS-1-2011-BE-Tempus-jPHES, 2012 - 2013 Project participant, "Building Capacity for University-Enterprise Partnerships Towards Competency Based Training in Armenia, Georgia and Ukraine". The project aims to establish an Innovation Center at GTU and universities in other participating countries with the aim of developing links between the university and business companies.

- Promoting Employment of Women Victims of Gender and Sexual Violence, Refugees and IDPs, January / 2011 - Present Chief Software Officer and Database Administrator

- International Programming Competition, April / 2010 - December / 2010 Group Leader / Trainer, International Student Programming Competition

- Predicting technical systems reliability and efficiency indicators, January / 2010 - December / 2010 Project manager., Development of modern methods for calculating technical systems reliability and efficiency indicators

სხვა სახის აქტივობა (იუნკვერების სუპერვიზია და სხვა)

1. *Member of the Dissertation Council of Samtskhe-Javakheti University*

2. *Head of three doctoral students GTU .*

3. *Supervisor of the undergraduate thesis of the 15th cadet*

4. *2005 -2006 Supervisor of three Candidate Thesis*

5. *Supervisor of 30 master theses up to 2004*

6. *2004-2006. Member of the Association of Young Scientists (Georgian Technical University)*

7. *Trainer. Certificate of Achievement. Georgian Technical University. Coach - Honorable Mention. ACM ICPC 2010-2011. North Eastern European Regional Contest November 24, 2010.*

9. *Member of the ETA Student Informatics Evaluation Commission of the 2014-2018 ETA Student Conference;*

10. *Member of ETA Bachelor's Thesis Evaluation Commission until 2014-present*

Knowledge of languages

English – Good

Russian - Fluent

computer programs

Windows XP, Linux, MS Word, MS Excel, MS Access, Power Point, MS Outlook, Front Page, Macromedia DreamViewer, T-Sql, Visual Basic, CCNA. IoT

Additional information

1. *Third degree medal for impeccable service in the system of the Ministry of Defense of Georgia*
2. *Instructor Years of Service - For FIVE YEARS of active participation and service in Cisco Networking Academy®. 2018.*
3. *2018. Letter of thanks - Nani Arabul, Associate Professor of Informatics at the Academy, for exemplary and conscientious performance of official duties;*
4. *Independent expert in the field of informatics from Shota Rustaveli Science Foundation since 2018.*
5. *2017 Certificate of Honor - National Defense Academy. For conscientious performance of official duties, exemplification of exemplary discipline and significant contribution to the academic process of the academy.*
6. *2014. Establishment of the Sisco International Academy at the David Agmashenebeli National Defense Academy.*
7. *2008 Scholar for young scientists Ilia Vekua (Georgian National Science Foundation).*
8. *2004-2006. Member of the Association of Young Scientists (Georgian Technical University)*

1	From the choice of optimal spacing of communication channels in the information-monitoring sets	Georgian Engineering News, 2000, №4, ISSN 1512-0287. p.70-71
2	On some questions, the optimal management of memory resources with a package of commutations	Georgian Engineering News, 2000, №4, ISSN 1512-0287. p.67-69
3	Combination of adjustable LVCs with external sources of memory resources	Intellect, 2 (8), 2000, ISSN 1512-1333. p.93-95
5	O impact oshibok, drivers in the canals connected	Georgian engineering News, 2003, №1, ISSN 1512-0287. p.167-169
6	Zavvoz service in case of driving accidents	Georgian engineering News, 2004, №2, ISSN 1512-0287. p.28-31
7.	Effective speed of data providers on the connection channel	Georgian engineering News, 2004, №2, ISSN 1512-0287. p.32-35
9	Computer with the possibility of double maintenance and correction of individual wounds	Georgian engineering News, 2005, №1, ISSN 1512-0287. p.51-53
10	Forecasting of reliability and effectiveness of systems mixed with group services	International Scientific-Theoretical Journal AUTOMATIC CONTROL AND COMPUTER SCIENCES ISSN: 0146-4116 N5, 2005. c. 75-85. (USA)
11	Computer with hardware control in concealer package	Georgian engineering News, 2005, №2, ISSN 1512-0287. p.104-106
13	Effectiveness of the application of correcting codes in a given lender	Georgia, Intellectual ISSN 1512-2530 2005. № 1

4.	Method for determining the interval and area coefficient of reliability	Georgian engineering News, 2006, №1, ISSN 1512-0287. p.54-56
5.	In the case of certain functions, the readiness	Georgian engineering News, 2005, №2, ISSN 1512-0287. p.138-140
6.	On the other hand, determining the coefficient of utilization of the technical system	National Technical University Ukraine. Institute of Mathematics [KIEV]. 2006
7.	On automated generations of tests for grade knowledge	National Technical University Ukraine. Institute of Mathematics [KIEV]. 2006
8.	On one way of determining the interval readiness coefficient	Georgia, Intellectual , № 2 (25), 2006. 33:75-78
9.	On determining the interval coefficient of readiness	Georgia, Intellectual № 1 (24), 2006. 33:88-90
10.	Use production system optimization modeling	Georgian Technical University. Works. N2. 2006. p. 51-53
11.	Mathematical model of union reflection considering the inhibitory factor	Georgian Technical University. Works. Automated Management Systems N1. 2006. p. 132-134
12.	Technology naked transmitters by IP	Georgian engineering News, 2007, №2, ISSN 1512-0287. p.112-114
23.	Protection Of Information In Computer Networks	Georgian Technical University. Works. ISSN1512-0996 N3 (465). 2007. p. 34-37
24.	Cryptographic protection of information in local memory	Georgian engineering News, 2007, №3, ISSN 1512-0287. p.106-110
25.	Effectiveness and reliability of some technical systems	Stu. International Scientific Conference "Information Technology in Management". Collection of reports. Tbilisi, 2007, Volume II, pp.353-357
26.	On embedded markovian processes with the supplementary variable	National Technical University of Ukraine. Institute of Mathematics (KIEV). C. 89-90. 2008
27.	Determination of the coefficient of production of technical systems with learning and reliability	First Annual International Conference. Current Challenges in Knowledge Management - "Knowledge for Life". Gori University. Georgia 2008. p. 52-54.

28.	On the method of determining the interval coefficient readiness	Georgian Technical University. Proceedings of the International Scientific Conference "Information Technologies 2008". P. 169-172. 2008
29.	Competence of technical systems with combined Workability capabilities	International Scientific-Theoretical Journal CYBERNETICS AND SYSTEM ANALYSIS ISSN 0023-1274 (KIEV) №6. 2008. C. 96-106.
30.	Coefficient of use of technical system of verified dismissal	AUTOMATION AND REMOTE CONTROL ISSN: 0005-1179 (Moscow) N7, 2009, C.168-174
31.	Protection of Data in Networks	<u>XI All-Russian Conference of Young Teenagers in Mathematical Modeling and Information Technology</u> . October 26-27, 2010 Krasnoyarsk
32.	ON EMBEDDED MARKOVIAN PROCESSES WITH THE SUPPLEMENTARY VARIABLE	International Conference on European Science and Technology May 9th – 10th, 2012 Vol.II
33.	Network design and arrangement for wireless and fiber-optic broadband access network	International Periodical scientific Journal "INTELECT". N1 (51). 2015. ISSN 1512-0333
34.	The right approach to the safety of Wi-Fi networks	National Defense Academy. Works N1. 2015. pp.97-101
35.	Principles and advantages of wireless communication	National Defense Academy. Works N1. 2015. pp.117-122
36.	ANALYSIS MODELS COMPUTER SETS WITH LIMITED DLINOŇ PCHERETI AND LIMITED WEATHER WALL	SCIENCE AND WORLD International scientific journal, No 10 (26), 2015, Vol. I ISSN 2308-4804 p.95
37.	Creation of world standards educational system as one of the main factors of sustainable development of the country	National Defense Academy. Works N1 (2). 2016. pp.151-158
38.	<u>Modern methods of cryptographic attack</u>	National Defense Academy. Works 2017. p. 36-38
39.	<u>Use of IoT in the military field</u>	NDADSP. Defense & Security Publications. 2019 Online ISSN 2587-4837 Print ISSN 1512-0708
40.	MANET energy efficiency and reliability	Georgian Technical University, Automated Management Systems. Vol. 2 No. 1 (32). 2021. p. 107-111.