

List of scientific and educational-methodical works

Ioseb Kartvelishvili (2013-2024)

| # | Name | Publishing House | Number of pages | Name of the co-author |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|
| Scientific Papers | | | | |
| 1 | Development of dialog procedures for generating exam tests | Peer-reviewed electronic scientific journal: Computer Sciences and Telecommunications. http://gesj.internet-academy.org/ge/ge/list_aut_artic_ge.php?b_sec=comp.&list_aut=2135 ISSN 1512-1232. No.1(37), 2013 | 6 p. | T. Todua |
| 2 | Internet addiction research and its features | Peer-reviewed electronic scientific journal: Computer Sciences and Telecommunications. http://gesj.internet-academy.org/ge/ge/list_aut_artic_ge.php?b_sec=comp.&list_aut=2135 ISSN 1512-1232. No.1(37), 2013 | 5 p. | T. Todua |
| 3 | Algorithm of Raising the Security of Routing of Wireless Local Networks | Georgian International Journal of Science and Technology, Nova Science Publishers, Volume 5, Issues 3-4 (2013), in press. https://www.novapublishers.com/catalog | 4 p. | O. Shonia |
| 4 | Visualization and Analysis Inter-Communication of Normative-Legal documents | Georgian International Journal of Science and Technology, Nova Science Publishers, Volume 6, Issues 1 (2013), in press. https://www.novapublishers.com/catalog | 4 p. | O. Shonia L. Kolbaia |
| 5 | Basic Models of Handwritten Symbols | VII Moscow International Conference on Operations Research (ORM2013). Moscow, October 15-19, 2013. | 2 p. | O. Shonia L. Bejanishvili |
| 6 | Agent-oriented approach and agent system theory | Engineering news of Georgia, No.4 '13, 2013 | 7 p. | O. Shonia T. kaiSauri |
| 7 | Processing and security of the automated system for the management of normative-legal documents and business processes | GTU, Automated Management Systems #1(17), Tbilisi, 2014. | 5 p. | O. Shonia L. Kolbaia |

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|----|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------|
| 8 | Interrelationship of normative-legal documents Automated visualization and analysis Main tasks of the system | Gtu, Education #2(11), Tbilisi, 2014 w. | 4 p. | O. Shonia L. Kolbaia |
| 9 | Ensuring the security of the legal-search automated system | GTU, Automated Management Systems #2(18), Tbilisi, 2014 w. | 6 p. | O. Shonia L. Kolbaia |
| 10 | ANALYSIS OF HANDWRITTEN SYMBOLS AND FORMATION OF COMPARISON PROCESSES ACCORDING TO THE MIN-MAX PRINCIPLE | Gtu, Archil Eliashvili Institute of Management Systems. A collection of works #18, Tbilisi, 2014 w. | 3 p. | O. Shonia L. Sonia |
| 11 | Information infrastructure planning issues in modern organizations | Peer-reviewed electronic scientific journal: Computer Sciences and Telecommunications. http://gesj.internet-academy.org.ge/ge/list_aut_artic_ge.php?b_sec=comp.&list_aut=2135 ISSN 1512-1232. No.4(44) [2014.12.31] | 4 p. | T. Todua |
| 12 | Aspects of building a secure connection channel based on a virtual private network (VPN) | Peer-reviewed electronic scientific journal: Computer Sciences and Telecommunications. http://gesj.internet-academy.org.ge/ge/list_aut_artic_ge.php?b_sec=comp.&list_aut=2135 ISSN 1512-1232. No.4(44) [2014.12.31] | 6 p. | T. Todua |
| 13 | Find optimal solutions to linear programming problems using economic-mathematical models | International peer-reviewed and refereed scientific journal "Economics"#1-2, Tbilisi, 2015 | 9 p. | O. Shonia V. NadiraSvili |
| 14 | Reference-legal systems using wireless networks and improving information security in them | International scientific conference dedicated to the 50th anniversary of the establishment of the Department of Information Technologies in Economics and Business of TSU "Modern information technologies in the conditions of economic globalization" #1, Tbilisi, 2015 | 6 p. | O. Shonia |
| 15 | Finding optimal solutions to transport tasks using economic-mathematical models | International scientific conference dedicated to the 50th anniversary of the establishment of the Department of Information Technologies in Economics and Business of TSU "Modern information technologies in the conditions of economic globalization"#1, Tbilisi, 2015 | 4 p. | L. Shonia |

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| 16 | Recognition of Symbols Using the Method of Gravity Center | International scientific conference "Information and computer technologies, modeling, management" dedicated to the 85th anniversary of the birth of Academician Iver Frangishvili. Tbilisi, 2015 | 3 p. | O. Shonia N. Corxauli L. Sonia |
| 17 | Optimal for a linear programming task Find solutions based on the example of a small enterprise | International scientific-practical conference ``European integration and Georgia''. Scientific-practical journal ``Globalization and Business'', special issue #1, Tbilisi, 2016 | 6 p. | T. Todua |
| 18 | Games saddle point and game Solution in the area of mixed strategy | International scientific-practical conference ``European integration and Georgia''. Scientific-practical journal ``Globalization and Business'', special issue #1, Tbilisi, 2016 | 4 p. | T. Todua |
| 19 | Visualization of inter- communication in normative-legal documents and automated design of analysis in reference-legal systems | VIII Moscow International Conference on Operations Research (ORM2016). Moscow, October 17-22, 2016. | 3 p. | L. Shonia |
| 20 | Identification of potentially dangerous situations in normative-legal documents and separation of criteria in them | GTU, Automated Management Systems #2(22), Tbilisi, 2017 | 6 p. | O. Shonia Z. beriZe L. Kolbaia |
| 21 | Types of Wireless Networks and Aspects of Their Use | Scientific-practical journal"Globalization and Business'', special issue #2, Tbilisi, 2017 | 4 p. | T. Todua |
| 22 | Wireless Network Security Issues | Scientific-practical journal"Globalization and Business'', special issue #3, Tbilisi, 2017 | 6 p. | T. Todua |
| 23 | Wireless LAN security Monitoring is logical and structured Automated process design | GTU, Automated Management Systems #1(23), Tbilisi, 2017 | 9 p. | O. Sonia Z. beriZe I. didmaniZe L. Kolbaia |

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| 24 | Automatized Design of the Logic and Structured Process of Wireless Local Area Networks Monitoring | Georgian National Academy of Sciences. Bulletin. New Series vol. 11, no.2, Tbilisi 2017 | 7 p. | O. Shonia L. Kolbaia |
| 25 | Recognition of symbols using the method of gravity center | Nova science publishers Computer Tecnology and Applications 2017-3rd Quarter ISBN:978-1-53612-094-3 https://www.novapublishers.com/catalog/product_info.php?products_id=62205 | 9 p. | N. Chorkhauri L. Shonia O. Shonia |
| 26 | Issues of Security of Wireless Networks | Actual Problems of Knowledge Economy in Modern Globalization. 2-nd International Conference. Tbilisi, 2017 | 5 p. | T. Todua |
| 27 | Wireless Networks, their Type and Methods of Use | International scientific journal AIR TRANSPORT. 1(12) ISBN:1512-4916 Tbilisi, 2017 | 5 p. | O. Shonia L. Kolbaia Z. Beridze I. Didmanidze |
| 28 | Wireless network and its various fields of application | International Scientific-Technical Conference - International Society and Technologies of Education Intensification. International Scientific Journal "Automated Management Systems" #2(26), Tbilisi, 2018 | 6 p. | O. Shonia |
| 29 | Wireless networks, security issues and their analysis | International Scientific-Technical Conference - International Society and Technologies of Education Intensification. International Scientific Journal "Automated Management Systems" #2(26), Tbilisi, 2018 | 7 p. | M. kaSibadze M. Okhanashvili |
| 30 | Concept of building a virtual private network (VPN), Network functions and their classification | International Scientific-Technical Conference - International Society and Technologies of Education Intensification. International Scientific Journal "Automated Management Systems" #2(26), Tbilisi, 2018 | 4 p. | L. Shonia |
| 31 | Development of Software of Testing system generation of Examination | IX Moscow International Conference on Operations Research (ORM2018). Moscow, October 22-27, 2018. | 4 p. | A. Prangishvili O. Shonia L. Shonia |

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| 32 | The overview and analysis concerning the wireless network using safety | IX Moscow International Conference on Operations Research (ORM2018). Moscow, October 22-27, 2018. | 4 p. | O. Shonia L. Shonia Z. Beridze |
| 33 | Corporate systems Analysis of risks related to information security | GTU, Automated Management Systems #1(30), Tbilisi, 2020 | 7 p. | L. Shonia O. Shonia |
| 34 | Wireless Network Security Issues And their analysis | GTU, Automated Management Systems #1(30), Tbilisi, 2020 | 8 p. | L. Shonia O. Shonia |
| 35 | Development of a mathematical model of the relationship between normative and legal documents in reference legal systems | 15Th International Silk Road Virtual Conference. Tbilisi, Georgia, October 09-10, 2020 | 5 p. | T. Todua |
| 36 | Main tasks of wireless network security supporting automated system | "SCIENCE TODAY: THEORY AND PRACTICE" Collection of scientific articles VIII International Scientific and Practical Conference, Ufa, Издательство УГНТУ, 22 October 2020 | 3 p. | O. Shonia L. Shonia |
| 37 | Agent-oriented approach and theory of agent systems in normative-legal documents | GTU, Automated Management Systems #1(32), Tbilisi, 2021 | 7 p. | L. Shonia O. Shonia |
| 38 | Use of wireless networks in reference-legal systems and ensure information security | GTU, Automated Management Systems #1(32), Tbilisi, 2021 | 8 p. | L. Shonia O. Shonia |
| 39 | Virtual Private Network - VPN technology and the advantages of its use in the network | GTU, Automated Management Systems #1(32), Tbilisi, 2021 | 5 p. | M. Darchashvili |

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| 40 | Automated system of document interconnection in the reference-legal system Software complex processing and Experimental testing | GTU, Automated Management Systems #1(32), Tbilisi, 2021 | 7 p. | N. Chorkhauri |
| 41 | Use of Wireless Networks in Reference-Legal Systems and Ensure Information Security | Bulletin of the National Academy of Sciences of Georgia Vol. 15, No. 2. Tbilisi, 2021 http://science.org.ge/bnas/vol-15-2.html | 6 p. | L. Shonia S. Kvesitadze |
| 42 | Actual issues of building secure communication channel considering modern technological challenges | Scientific-practical journal "Globalization and Business", issue #13, ISSN 2449-2396, Tbilisi, 2022 https://www.eugb.ge/uploads/journal/gb-N13.pdf | 4 p. | T. Todua |
| 43 | Architecture and algorithmic software of automated system for interrelationship analysis of legal normative documents | International Conference on Global Practice of Multidisciplinary Scientific Studies Dedicated to the 100th Anniversary of Georgian Technical University June 24-26, 2022 / Tbilisi, Georgia https://www.sciencegeorgia.com/_files/ugd/614b1f_556298e355a04439b91d75f49ab13d3c.pdf | 5 p. | T. Todua |
| 44 | Issues of configuring network devices in terms of security in a computer network | GTU, Automated Management Systems #1(33) vol.2, ISSN 1512-3979 (print), EISSN 1512-2174 (online), DOI.org/10.36073/1512-3979. Tbilisi, 2022 | 5 p. | T. Elizbarashvili |
| 45 | Advantages of using Virtual Private Network (VPN), description of different protocols and their classification | International scientific-practical conference "Innovations and Modern Challenges - 2022" dedicated to the 100th anniversary of the Georgian Technical University and the 65th anniversary of the IMS Faculty. Tbilisi, 2022 | 5 p. | M. Darchashvili, M. Okhanashvili |
| 46 | Building data center architecture and ensuring security | International scientific-practical conference "Innovations and Modern Challenges - 2022" dedicated to the 100th anniversary of the Georgian Technical University and the 65th anniversary of the IMS Faculty. Tbilisi, 2022 | 4 p. | N. Kochiashvili |

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| 47 | The future of the data center, its pros and cons | "Georgian Scientists" magazine. Tom. 5 no. 2 (2023), Tbilisi, 2023 https://doi.org/10.52340/gS.2023.05.02.11 E-ISSN 26679760. https://journals.4science.ge/index.php/GS/article/view/1723 | 8 p. | N. Kochiashvili |
| 48 | Modern Data Center Challenges | International Scientific-Practical Conference of Technical University of Georgia "Modern Challenges and Achievements in Information Technologies - 2023". Tbilisi, 2023 | 5 p. | N. Kochiashvili |
| 49 | Review and analysis of existing methods for detecting network attacks | International Scientific-Practical Conference of Technical University of Georgia "Modern Challenges and Achievements in Information Technologies - 2023". Tbilisi, 2023 | 6 p. | M. Okhanashvili, N. Chorkhauri |
| 50 | Development and implementation of a model of an effective mechanism for the prevention of websites with phishing and malicious code in the web browser environment | International Scientific-Practical Conference of Technical University of Georgia "Modern Challenges and Achievements in Information Technologies - 2023". Tbilisi, 2023 | 5 p. | A. Bichnigauri, L. Shonia |
| Books | | | | |
| 1 | Research Operations | Georgian Technical University, Tbilisi, 2013 | 106 p. | G. Nareshelashvili |
| 2 | Security of wireless networks | Georgian Technical University, Tbilisi, 2018 | 115 p. | O. Shonia G. Nareshelashvili |
| 3 | Security scanning of networks and database management systems | Georgian Technical University, Tbilisi, 2018 | 26 p. | o. Sonia |
| 4 | Research Operations | GTU IT Consultingis center. Tbilisi, 2020 | 297 p. | G. Nareshelashvili |
| 5 | Information protection and cyber security systems | GTU IT Consultingis center. Tbilisi, 2020 | 53 p. | |

Monograph

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|---|--------------------------------------------------------------------------|----------------------------------|--------|--------------------------------------------|
| 1 | Automated security support for wireless networks Building a system | Batumi State University, 2014 | 152 p. | O. Shonia, I. Didmanidze, Z. Beridze |
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