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Scientific Publications (since 2017)

Date	Topic of the working theme	Scientific Journal	Publisher
2023	Some New Aspects of Knowledge Engineering.	Proceedings of the international scientific conference: "Modern challenges and achievements in information and communication technologies" (released for publication)	GTU
2022	A hybrid convolutional neural network	GTU, IMS Faculty 65th anniversary issue, 2022.	GTU, 2022
2021	Big Data Frameworks for Online Learning	Proceedings "Automated Management Systems" 1(32),	GTU 2021, ISSN 1512-3979, DOI.org/10.36073/1512-3979 289-295 pp.,
2021	Big data analytics in the fight against the COVID19 pandemic	Proceedings "Automated Management Systems" 1(32),	GTU 2021, ISSN 1512-3979, DOI.org/10.36073/1512-3979 Anniversary edition Automated management systems 50y.) 222-227 pp.,
2021	Network Anomaly Detection in Corporate Security	Georgian Academy of Sciences	National Academy News Volume, 15, #4, 2021, 7 pp.
2020	Challenges of "smart teaching" in modern reality	Journal "Spectri" #4. 2020 year., ISSN 2587-4810,	Tbilisi, Davit Agmashenebeli University of Georgia 6 pp. 123-128pp
2020	Organizing Decision-Making Support System Based Multi-Dimensional Analysis of the Educational Process Data DOI: https://doi.org/10.33150/JITDETS-4.1.1	Journal of ICT, Design, Engineering and Technological Science (JITDETS) VOL.4.NO. 1, pp. 1-5, 2020	Barcelona Spain, Sant Adrian De Besos 08930, ISSN 2604-2673 (Online) Web: www.jitdets.com
2019	Analysis of retail sales dynamics using OLAP technologies	Scientific magazine "SEU & SCIENCE", a collection of articles of the international scientific conference ISC SEU 2019.	Tbilisi 2019, February 16.
2019	Data analysis in OLAP cube using genetic programming	Works, N1(511),	Technical University of Georgia, Tbilisi 2019, ISSN 1512-0996, 49-56 p.
2019	Multidimensional data analysis of learning process monitoring	Proceedings "Automated Management Systems" 1(28),	GTU, 2019, ISSN 1512-3979, 6 pp.,
2019	Intelligent data analysis in higher education	International Scientific Journal "Intelligence", 2(64),	Tbilisi, 2019, August, ISSN 1512-0333, 72-78 p.
2019	Solving the task of determining the optimal route using a genetic algorithm	Collection of articles of SEU & SCIENCE international scientific conference ISC SEU 2019 II.	Tbilisi 2019, November 10.
2018	Society Evolution Modeling: Some Views	Proceedings "Automated Management Systems" 2(26),	GTU, 2018, ISSN 1512-3979, pp. 79-84, dedicated to the 15th anniversary of the establishment of the UNESCO Chair "Information Society" of Stu. Tbilisi, Stu, 28-29.09 2018.
2018	Protection of personal data in tourism business	Scientific journal "Sew and Science", No. 7(7), international.	Scientific conference "SEU 2018". ISSN 1987-8591, 189-194 pp
2017	DISTRIBUTED QUERY OPTIMIZATION USING MODIFIED ALGORITHM OF GENETIC PROGRAMMING	Papers N1(503),	GTU, Tbilisi 2017, ISSN 1512-0996, 56-63 pp.
2017	Information technology in higher education of Georgia:	The Second International Conference - Higher Education,	Kutaisi (Georgia), May 1-2, 2017. Conference

	Problems, tasks and opportunities	New Technologies and Innovations,	Proceedings, EISSN 2346-7851, pp. 156-163.
2017	Use of modern technologies in sales analysis and forecasting tasks	Scientific magazine "Sew and Science", No. 6(6),	Tbilisi, 2017. ISSN 1987-8591, 301-308 pp.

Reports at local and international scientific conferences (since 2016)

N	The Name and Description of the Activity
2023	International scientific-practical conference "Modern challenges and achievements in information and communication technologies" October 12-13, 2023
2022	Integration and analysis of data related to the pandemic, international scientific-practical conference "Innovations and Contemporary Challenges 2022" dedicated to the 100th anniversary of the Georgian Technical University and the 65th anniversary of the IMS Faculty, November 18-19, 2022.
2021	II International Scientific-Technical Conference "Information Society and Technologies of Intensification of Education (ISITE'21)" 2021, May 20-22, abstracts of the conference, pages 53-54. Speaker
2021	The first international scientific conference "Education, Technology and Innovation", December 15, 2021.
2019	International Scientific Conference ISC SEU 2019, February 16, 2019 speaker
2019	International scientific conference ISC SEU 2019 II Tbilisi 2019, November 10. speaker
2018	International Scientific Conference ISC SEU 2018, May 26, 2018 speaker
2018	Prof. Scientific-practical conference dedicated to the 90th anniversary of Konstantine Kamkamidze's birth "Digital Technologies: Present and Challenges", GTU, May 28, 2018. Speaker
2017	Erasmus + HENTI 2017 THE SECOND INTERNATIONAL CONFERENCE: HIGHER EDUCATION – NEW TECHNOLOGIES AND INNOVATIONSHE Kutaisi(Georgia) May 1-2, 2017. CONFERENCE PROGRAMME, ABSTRACTS. 63 pp. speaker
2017	International Scientific Conference ISC SEU 2017, 23-24 June, Tbilisi, SEU. speaker
2016	International scientific conference: "Tourism development trends: problems and perspectives", Tbilisi, May 7-8, 2016.- speaker
2016	International scientific conference: "SEU 2016", Tbilisi, June 3-4, 2016. speaker
2016	IV International – Scientific conference “Computing/Informatics, Education Sciences, Teacher Education”, ISBN 978-9941-25-257-0 Abstracts, Tbilisi, 1-3 October, 2016, pp 132-138. speaker
2016	IV International – Scientific conference “Computing/Informatics, Education Sciences, Teacher Education”, ISBN 978-9941-25-257-0 Abstracts, Tbilisi, 1-3 October, 2016, pp 152-155. speaker IV International – Scientific conference “Computing/Informatics, Education Sciences, Teacher Education”, ISBN 978-9941-25-257-0 Abstracts, Tbilisi, 1-3 October, 2016, pp 252-257. speaker
2016	International scientific conference - "SEU ISC 2016" December 9-10, 2016. Tbilisi, Seu. speaker

2016	Verbal Communication Technologies - 5, Proceedings of the International Scientific Conference, Tbilisi State University, 2016. November 25-26. 243-247gv. Speaker
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Manuals/help manuals (since 2013)

##	Name	Publisher	Number of pages	Co-author
1	Construction of information systems using Ms Sql Serve	Stu, Tbilisi, 2013	232	B. Meparishvili
2	Object-oriented programming (methodological guidelines for performing laboratory work)	Tbilisi 2014, ISBN 978-9941-0-6426-5	155	T. Meparishvili
3	Software implementation of web applications using MySQL	Tbilisi 2016, ISBN 978-9941-20-618-4	290	B. Meparishvili
4	Distributed database management system Oracle	Tbilisi 2016, ISBN 978-9941-20-615-3	240	B. Meparishvili
5	Data Management Modern Systems	Tbilisi 2018, ISBN 978-9941-27-766-5	290	B. Meparishvili
6	Business analysis in data warehouses using SQL Server Analysis Services (manual)	Tbilisi 2018, ISBN 978-9941-27-767-2	160	B. Meparishvili
7	Business analysis in data warehouses using SQL Server Analysis Services (laboratory practice)	Tbilisi 2018, ISBN 978-9941-8-0274-4	286	B. Meparishvili V. Baramidze
8	Python programming language	Tbilisi STU, 2018, ISBN 978-9941-8-0603-2, CD-5089.	302	
9	Python programming language (Methodological instructions for performing laboratory work)	Tbilisi STU, 2019, ISBN 978-9941-8-1695-6	175	
10	Big data analytics	Tbilisi STU 2020, ISBN 978-9941-8-2161-5	244	B. Meparishvili G. Cercvadze
11	Algorithms and data structures	Publishing house "Technical University" (first edition, 2007, ISBN978-99940-951-1-7, Updated edition 2020 as electronic version) CD 6692	162	i. Aptsiauri
12	Object-oriented programming based on c++ language (Methodological instructions to perform laboratory work)	"Technical University" (first edition 2014. ISBN 978-9941-0-6426-5 Updated edition 2021 Electronic manual in slow format) CD 6692	298	Tamar Meparishvili Ia aptsiauri