

PRINCIPAL SCIENTIFIC PAPERS:

1	Solution of Some Management Problems by Means of Fuzzy Sets Theory	printed	MATHEMATICS and COMPUTERS in CONTEMPORARY SCIENCE Milan, Italy, January 9-11, 2013	5	Tsabadze T.
2	METHOD OF SOLVING THE GENERALIZED PROBLEM ON EIGENCALUES OF MULTI-DIMENSIONAL CIRCUITS, II	printed	Journal of Mathematical Sciences. Springer, Vol.186, No. 5, November, 2012	4	Milnikov A.
3	Biometric Voting System.	printed	International Scientific Conference "Basic paradigms for development of 21 st century science and technology ". Tbilisi, 2012. Works, Volume 2.	14	Imnaishvili L., Bedineishvili M., Dzneladze G.
4	System Thinking in the Control of Organizational and Technical Problems	printed	Monograph, Series: Management Science – Theory and Applications. Nova Science Publishers New York 2012	162	Gorgidze I., etc.
5	ONE WAY OF AGGREGATION EXPERT FUZZY ESTIMATIONS UNDER GROUP DECISIONS-MAKING	printed	Proceedings of the 3 rd International conference on Applied Informatics and Computing Theory (AICT ¹²). Barcelona, Spain, October 17-19, 2012	5	Tsabadze T.

6	Country and Higher School Integrated Model Innovative System	printed	Information and Computer Technologies – Theory and Practice: Proceedings of the International Scientific Conference ICTMC-2010 Part 2. Control Theory Series: Computer Science, Technology and Applications Nova Science Publishers New York 2012	10	Gasitashvili Z., Zumberidze O., Sulaberidze M.
7	Algebraic Topology Approach	printed	Information and Computer Technologies – Theory and Practice: Proceedings of the International Scientific Conference ICTMC-2010 Part 6. Mathematical Modeling Simulation Series: Computer Science, Technology and Applications. Nova Science Publishers New York 2012	10	Milnikov A.
8	Electronic System of Teachers' Registration in The Highest Educational Institution	printed	Information and Computer Technologies – Theory and Practice: Proceedings of the International Scientific Conference ICTMC-2010 Part 2. Control Theory Series: Computer Science, Technology and Applications Nova Science Publishers New York, 2012	8	Imnaishvili L., Bedineishvili M., Sulaberidze M.
9	Formal neuron and the models of its adaptation in the redundancy theory	printed	Information and Computer Technologies – Theory and Practice: Proceedings of the International Scientific Conference ICTMC-2010 Part 1. Information and Communication Systems	9	Namicheishvili O.

			and Technologies Series: Computer Science, Technology and Application Nova Science Publishers NewYork 2012		
10	Algebraic Theory of the Binary Sensors Dependability	printed	Proceedings of the International Conference «Modern Algebra and its Applications», September 19-25, 2011, Batumi, Volume 2.	8	Namicheishvili O., etc.
11	Tree-dimensional mathematical model of diffusion process during fabrication of isoplanar structure taking into account crystals anisotropy.	printed	Journal “Model Assisted Statistics and Application”. Amsterdam, 6, 2011	11	R. Gogsadze, etc.
12	FORMAL NEURON MODEL FOR REDUNDANCY OF DIGITAL COMMUNICATION CHANNELS	printed	Journal „ Georgian Engineering News“ Tbilisi, 2010, 2,	8	Namicheishvili O.
13	CYCLIC ADAPTATION WITHOUT FEEDBACK	Printed	Journal „ Georgian Engineering News“ Tbilisi, 2010, 3	4	Namicheishvili O.
14	Conflict modeling and analysis using the theory of modern games	printed	Collection Works of the Technical University 1(8) Tbilisi, 2010	9	Beltadze G.
15	Imitation modeling language GPSS WORLD and attached system models	printed	GTU Publishing House “Technical University”, Tbilisi, 2009.	350	Gasitashvili Z., Abuladze I., Tsverava V.
16	The optimal control task for a soft landing of aRocket on the Moon	printed	The Monograph, GTU. Tbilisi, 2009.	104	Obgaidze T., Davitashvili I., Mosashvili I.
17	Aircraft wing profile optimization	printed	The Monograph, GTU. Tbilisi, 2009.	114	Jibladze N., Obgaidze T., DaviTashvili I., Mosashvili I.
18	Sustainable development of Municipal systems. Problems and Models	printed	The Monograph, GTU Publishing House “Technical University”, Tbilisi, 2009.	293	Khartishvili M., Gasitashvili Z., Khomeriki M.

19	Cognitive models of large-scale systems research	printed	The Monograph, GTU Publishing House "Technical University", Tbilisi, 2009.	211	<u>Verulava I.</u> , Verulava D. Gasitashvili Z.
20	Business programs expert evaluations in support of decision-making methods and models.	printed	The Monograph, GTU. Tbilisi, 2009.	200	Surguladze G., Vacharadze I.
21	Principles of Computer Network Engineering	printed	GTU Publishing House "Technical University", Tbilisi, 2009.	264	Kurdadze M., Gasitashvili Z., Pailodze N.
22	Discussion about General Philosophy Science	printed	GTU Publishing House "Technical University", Tbilisi, 2009.	430	Namicheishvili O.
23	Synthesis of digital systems, Hierarchy and multi-functioning cifruli sistemebis sinTezi, ierarqiuloba da mravalfunqciuroba	printed	The Monograph, GTU Publishing House "Technical University", Tbilisi, 2009.	344	Imnaishvili L.
24	Organizational Intellectual Systems. Modeling Design Operations Research	printed	The Monograph, GTU Publishing House "Technical University", Tbilisi, 2009.	239	Gasitashvili Z., Kiknadze M., Khomeriki M.
25	Measuring system and displaying electric parameters.	printed	Hardware and software facilities for management, monitoring and measurement systems (UKI'08). Russian Conference with international participation. Moscow, 2008.	6	Bedineishvili M., Imnaishvili L.
26	Business Planning and Information Systems	printed	Georgian Technical University. Tbilisi, 2008	241	Gasitashvili Z., Kiknadze M.

27	Water Levels Monitoring System.	printed	Hardware and software facilities for management, monitoring and measurement systems (UKI'08). Russian Conference with international participation. Moscow, 2008.	6	Imnaishvili L., Bedineishvili M.
28	Conflict. Computer models of decision-making support	printed	Monograph. Tbilisi. "Technical University", 2007	221	Prokopiev S.
29	Neuronal Networks	printed	Monograph. Tbilisi. "Technical University", 2007	163	Namicheishvili O., Elizbarashvili A.
30	Computer Technologies for Traffic flow management and planning	printed	Monograph. Tbilisi. "Technical University", 2007	236	Gasitashvili Z., Abuladze I.
31	Modeling of Decision Making Support System in Conflicts Control	printed	Bulletin of the Georgian National Academy of Sciences, vol. 175, no. 4, 2007	6	Prokopiev S, Shonia O.
32	Synthesis of multifunctional modules	printed	Sensors and systems, 9, Moscow, 2006	4	Imnaishvili L.
33	Selection of a mathematic model for emergency situations	printed	Electronic Journal http://gesj.internet-academy.org.ge No.2(9) [2006]	15	Verulava I., Verulava D., Gasitashvili Z.
34	Methodology Development of Macro - organizational systems research	printed	Electronic Journal http://gesj.internet-academy.org.ge No.2(9) [2006]	18	Verulava I., Verulava D., Rodonaya I.
35	Cognitive approach of Georgian fuel-energy research and modeling complex	printed	Electronic Journal http://gesj.internet-academy.org.ge No.1(8) [2006.03.31]	23	Verulava I., Verulava D.,
36	Synthesis of Accumulated Multifunction digital circuits	printed	Monograph. Tbilisi. "Technical University", 2006.	230	Imnaishvili L., Benashvili A.
37	Automated system of electricity distribution and consumer's calculation	printed	Sensors and systems, 2, Moscow, 2004	4	Imnaishvili L.
37	Method of predicting the functionality of the	printed	Sensors and systems, 7, Moscow, 2003	2	Imnaishvili L.

	synthesized computing structures				
38	Homology and co-homology invariants circuits	printed	Automation and Remote Control, Moscow 2002	10	Milmikov A.
39	Capturing theory of expert systems for power management	printed	Monograph. Publishing House "Metsniereba" Tbilisi 2002.	285	Gasitashvili Z., Samkharadze R.
40	Homology and co-homology invariants circuits	printed	Automation and Remote Control, Moscow 2002.	10	Milnikov A.
41	Basic Math. model of emergency management strategy	printed	didisi sistemebis marTvis XIV saerTaSoriso simpoziumi, CONTROL' 2000, Tbilisi 2000 w. The XIV International Symposium on Systems Management. CONTROL' 2000, Tbilisi 2000.	8	Verulava D., Verulava I., Gasitashvili Z.
42	A method for calculating the natural frequencies of multiple-LC-circuits	printed	Sensors and systems, 4, Moscow, 2000.	4	Milnikov A.
43	Property of the Eigenvalues of the linear vibration systems - LC-circuits	printed	Automation and Remote Control *8, Moscow 2000.	4	Milnikov A.
44	Weinstein Function for LC-Circuits	printed	Automation and Remote Control *5, Moscow 1999.	5	Milnikov A.
45	Bases of construction of management systems of space-time network flow	printed	Monograph, "Technical University", Tbilisi 1997	264	Tsikhelashvili Z. Chkhenkeli B.
46	The theory of parallel processing in cellular automata environments	printed	Monograph, "Technical University", Tbilisi 1996		
47	Multiprocessor Systems of Specialized network management model	printed	Monograph, "Technical University", Tbilisi 1996	250	Gasitashvili Z.
48	Syntactic analysis with Cellular Automaton Grammars	printed	Automation and Remote Control. Moscow, 1986.		
49	Prospects of Cellular Automaton grammars for parallel optoelectronic Computer machines	printed	Proceedings of the All-Union Conference on functional and Computer. Engineering and Management Device. Tbilisi, 1986.		

50	The theory of figures to recognize the syntactic correctness of programs in optical computing Device	printed	Collection of materials of All- -Union Seminar on Optoelectronic Devices, instrument and informatics, Tbilisi, 1985.		
----	--	---------	--	--	--