

**List of scientific works**  
**Revaz (Iveri) Kakubava**

1.	2	3	4	5	6
#	Titles	Printed	Journals (number, Year)	Number of pages	Co authors
1.	Reliability Model for Standby System with Replacement Delays of Failed Elements	Print	ISSN 0146-4116, Automatic Control and Computer Sciences, 2013, Vol. 47, No. 2, pp. 94–98. © Allerton Press, Inc., 2013		
2.	Queuing Systems with Two Service Operations as Mathematical Models of Reliability and Survivability	Print	Abstracts of 15th Conference of the ASMDA International Society. Abstracts - Applied Stochastic Models and Data Analysis (ASMDA2013). Mataró (Barcelona), Spain, 2013		T. Kaishauri, O. Shonia
3.	Parallel Algorithms of Numerical Solution of One dynamic Problem for Quasilinear System of Equations of Elasticity Theory	Print	Proceedings of the 9th International Conference on Computer Science and Information Technologies (CSIT 2013). Yerevan, Armenia, 2013		T. Davitashvili, H. Meladze, P. Tsereteli
4.	Modeling the performance and the energy usage of wireless sensor networks by retrial queueing systems	-"	Proceedings of the 8th ACM workshop on Performance monitoring and measurement of heterogeneous wireless and wired networks, pp. 133-138 (Proceeding PM2HW2N '13). Barcelona, Spain, 2013		T. Bérczes, B. Almási, A. Kuki, J. Sztrik
5.	The Semi Markovian Model for Economic Analysis of Standby	-"	International Journal of Engineering, Science and Innovative Technology (IJESIT), Volume 2, Issue 6, November 2013, pp. 240-246		N. Svanidze
6.	Preemptive Priority Closed Queuing System for Two Maintenance Operations	-"	Proceedings of the 2014 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SMTA2014), Sanya, China, 2014		N. Svanidze
7.	Internet Reliability and Availability Analysis Using Markov Method	-"	Proceedings of the 2014 UKSim-AMSS 16th International Conference on Computer Modelling and Simulation (UKSim 2014), 2014, Cambridge, United Kingdom		L. Mirtskhulava, N. Ananiashvili, G. Gugunashvili

რეზიუმე (ივერი) კავშირებს სამეცნიერო შრომების სია

1.	2	3	4	5	6
8.	Queing Models for Large Scale Technical Systems' Structural Control	-"	Proceedings of International Scientific Conference Information and Computer Technologies, Modeling-Control. pp. 131-136, Tbilisi, 2015.		A. Prangishvili, H. Meladze
9.	Closed and Mixed Type Queuing Systems as Mathematical Models of Reliability and Survivability		In Proceedings of the SMRLO'16 <a href="http://ieeexplore.ieee.org/xpl/mostRecentIssue.js?punumber=7432990">http://ieeexplore.ieee.org/xpl/mostRecentIssue.js?punumber=7432990</a>		A. Prangishvili, G. Sokhadze
10.	Open Queuing System for Two Parallel Maintenance Operations as Mathematical Model for Dependability and Performance Analysis		Bull. Georg. Natl. Acad. Sci. vol. 10, no. 3, 2016	6p.	A. Prangishvili, H. Meladze
11.	An Open Priority Queuing System for Two Maintenance Operations		Bull. Georg. Natl. Acad. Sci. vol. 11, no. 4, 2017		A. Prangishvili, D. Gulua, E. Gulua
12.	On Network Maintenance Problem. Open Markovian Queuing System with Bifurcation of Arrivals		Bull. Georg. Natl. Acad. Sci. vol. 11, no. 3, 2017		A. Prangishvili, H. Meladze, N. Svanidze
13.	Queuing Models for Large-Scale Technical Systems' Structural Control		Information and Computer Technology, Modeling and Control, Series: Computer Science, Technology and Applications, Book Chapter #26, NOVA Science Publishers, USA, 2017	5p	A. Prangishvili, H. Meladze
14.	On Network Maintenance Problem. Mixed-type Semi-Markov Queuing System with Bifurcation of Arrivals		Bull. Georg. Natl. Acad. Sci., <b>SJR</b> , Vol. 12, no. 2, 2018	6p	A. Prangishvili, H. Meladze, T. Davitashvili, N. Svanidze
15.	Probabilistic Analysis of a Redundant Repairable System with Two Service Operations		Journal of Mathematical Sciences, <b>SJR</b> , March 2019, Volume 237, Issue 6, pp 782-788	7p	J. Sztrik, N. Svanidze

რეზიუმე (ივერი) კავუბავას სამეცნიერო შრომების სია

1.	2	3	4	5	6
16.	Semi-Markov Queuing System with Bifurcation of Arrivals for Network Maintenance Problem		Publisher: IEEE Xplore: , Electronic ISBN: 978-1-7281-2858-0, DOI: 10.1109/CSITechnol.2019.8895168, <b>SJR</b> , <a href="https://ieeexplore.ieee.org/document/8895168">https://ieeexplore.ieee.org/document/8895168</a>	6p	H.Meladze, A.Prangishvili, T.Davitashvili, N.Svanidze
17.	Probabilistic analysis of a redundant repairable system with two service operations		Journal of Mathematical Sciences, <b>SJR</b> , Vol. 237, No. 8, 2019	8p	J. Sztrik, N. A. Svanidze
18.	An alternative transient solution for semi-Markov queuing systems		Georgian Math. J., <b>IF</b> , 2020-2021; 28(1), <a href="https://doi.org/10.1515/gmj-2020-2050">https://doi.org/10.1515/gmj-2020-2050</a> , March 19, 2020	6p	
19.	On a new Probabilistic Method for Transient Analysis of SemiMarkov Stochastic Models		Transactions. Georgian Technical University. Automated control systems. Vol.1.1, No 1(32), 2021		N. Svanidze
20.	An Alternative Transient Solution for Gaver's Parallel System with Repair		Bull. Georg. Natl. Acad. Sci., <b>SJR</b> , 2022, Vol.16 No.4	8p	R. Khurodze, T. Saghinadze, N. Svanidze
21.	Closed and mixed-type queuing models for structural control of complex technical systems		COMPUTER SCIENCE AND INFORMATION TECHNOLOGIES: Selected Papers of CSIT-2021 Conference, <b>IF</b> , 2023, Volume 2757, Issue 1. AIP Publishing	6p	Hamlet Meladze; Lela Trapaidze
22.	Alternative Transient Solution for M/G/1/N Systems		Bull. Geo.Natl. Acad.Sci., <b>SJR</b> , Received for publication (October, 2023)	7p	Ramaz Khurodze , Nino Svanidze Teimuraz Saghinadze
23.	Gaver's Parallel System with Repair and Redundancy Delay		Bull. Geo.Natl. Acad.Sci.SJR, Voi.17, No.4,2023		Ramaz Khurodze, Revaz Kakubava

Author

Professor Revaz Kakubava

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