

## Givi Murjikneli Academic Works

№	Title	Printed or Handwriting	Publication	Pages	Authors
1	Interference disturbances in modern mobile communication systems and assessment of their reduction possibilities	Printed	5th International Scientific Conference. "Energy: regional problems and development prospects" collection of reports. Kutaisi, Georgia, 26.10.2018, p. 119-122.	4	K. Begiashvili G. Murjikneli
2	Modeling of parallel analog-digital encoder with "Proteus" program	Printed	Proceedings: Automated management systems, #2(31), Tbilisi, 2020.	4	Z. Azmaifarashvili I. Modebadze Gur. Murjikneli G. Murjikneli
3	Research on reducing the number of handovers in LTE networks using algorithms built on the basis of self-organizing networks.	Printed	International scientific-technical conference - "Modern problems of energy and ways to solve them". Tbilisi, October 7-11, 2019. Published - international scientific and technical magazine "Energia", #10, 2019. Tbilisi, publishing house of GTU.	4	I. Badjelidze G. Murjikneli
4	Evaluation of convergence of mobile terminals movement trajectories based on the analysis of signals received from base stations.	Printed	II International Scientific-Technical Conference "Modern Energy Problems and Ways to Solve Them", Tbilisi, December 7-10, 2020..	4	I. Badjelidze G. Murjikneli
5	Measuring oil level in oil reservoir by electro-visual method	Printed	Modern energy problems and their solutions. #2(98)/2021. Article II. The journal is funded by Ss. by "Telas", Tbilisi.	5	d. Zhuzhniashvili Z. Azmaifarashvili Gur. Murjikneli G. Murjikneli
6	Modeling of fiber-optical systems. Recommended as a textbook by the Publishing Council of the Technical University of Georgia on 10.12.2020 oqmi #1.	Printed	Publishing House "Technical University". Tbilisi, 2021w.	180	Yuri Modebadze Givi Murjikneli Kakha Khoshtaria
7	Tabular decoding of simplex codes	Printed	Quarterly refereed and peer-reviewed scientific journal "Education", #3(34), Tbilisi, 2021.	5	G. Murjikneli
8	The influence of the subscription device on the quality of the operator's mobile connection network	Printed	Quarterly refereed and peer-reviewed scientific journal "Education", #3(34), Tbilisi, 2021.	6	G. Murjikneli

9	Optimization of user terminal handover process in real network using adaptive algorithm	Printed	International scientific-practical conference "Innovations and modern challenges - 2022". A collection of reports. Publishing House of GTU. Tbilisi, November 17-18, 2022.	6	I. Badjelidze G. Murjikneli
10	Formulation of the main criteria for the functioning and assessment of the physical structure in telecommunication networks	Printed	International scientific-practical conference "Innovations and modern challenges - 2022". A collection of reports. Publishing House of Stu. Tbilisi, November 17-18, 2022.	5	Marina Kurdadze G. Murjikneli Gedevan Murjikneli.
11	Automatic control system of temperature, humidity and ventilation in the storage room	Printed	International scientific-practical conference "Innovations and modern challenges - 2022". A collection of reports. Publishing House of Stu. Tbilisi, November 17-18, 2022.	3	Marina Qozashvili, Gur. Murjikneli G. Murjikneli
12	Automation of the temperature and lighting of the poultry house	Printed	Proceedings: Automated Management Systems, #2(34), Tbilisi, 2022. pp. 70-74	5	Marina Qozashvili Z. Azmaiparashvili Gur. Murjikneli G. Murjikneli I. Modebadze
13	Elaboration of the electrical circuit for the calculation of dynamic processes in the electric power supply converter system of the railway electric transport, taking into account the IGBT-transistor module controlled three-phase inverter unit	Printed	Scientific-technical refereed journal "Energy", Union "Science and Energy", #1(105), Technical University of Georgia, Tbilisi, 2023. pp. 67-72.	6	G. Kokhreidze, Gocha Kokhreidze, N. Beradze, G. Murjikneli, I. Kurashvili
14	Development of impulse control algorithms considering IGBT-transistor-module controllable three-phase reverse rectifier unit in the combined converter system of railway AC electric transport power supply	Printed	Scientific-technical refereed journal "Energy", Union "Science and Energy", #1(105), Technical University of Georgia, Tbilisi, 2023. pp. 73-78.	6	G. Kokhreidze, Gocha Kokhreidze, N. Beradze, G. Murjikneli, I. Kurashvili