

ARCHIL ELIASHVILI
CONTROL SYSTEMS INSTITUTE
Scientific Report

2013B

Direction - Control Processes

The Department of Information Disclosure Problems

Scientific-Research Works Planned and Implemented in 2013 Funded by the State Budget of Georgia

#	Title of the Work	Work Supervisor	Work Performers
1	Processing and research of microprocessor system of contactless adaptive control of the sem-positional dynamic object (2012-2014)	O OOTar Labadze	M. Tsertsvadze L. Samuradze G.Kiknadze V.Bakhtadze
#	Title of the Work	Work Supervisor	Work Performers
2	A large constant power source controlled in a wide input range (2013 - 2015)	OOTar Labadze	T.Sanishvili D. Purtskhvanidze Z.Buachidze L. Samuradze V.Bakhtadze T. Khutsishvili G.Kiknadze

Department of Optimal Control Problems

#	Title of the Work	Work Supervisor	Work Performers
1	Theoretical and practical aspects of optimization in partially ordered spaces.	V. Maisuradze	F. Maisuradze M. Salukvadze F. Chichinadze N. Jibladze

			B. Shanshiashvili F. Gabisonia N. Kilasonia D. Sikharulidze D. Tsintsadze Q. Omiadze
--	--	--	---

Department of Management Systems and Modeling

Scientific-Research Works Planned and Implemented in 2013 Funded by the State Budget of Georgia

#	Title of the Work	Work Supervisor	Work Performers
1	Selection and design of control algorithms for some automated objects; Protection from limp home mode (2012-2014)	T. Tkorashvili (Candidate of Technical Sciences)	Urushadze Guram Shengelia Nodari Tsintsadze Dudukhana Geliashvili Lia Gegechkori Mery

Direction - **Informatics**

V. Chavchanidze

Artificial Intelligence Problems Department

Scientific-Research Works Planned and Implemented in 2013 Funded by the State Budget of Georgia

#	Title of the Work	Work Supervisor	Work Performers
---	-------------------	-----------------	-----------------

1	Establish an intellectual system designed to diagnose, predict and select ways of treatment for a certain class of diseases.	Maia Miqueladze	Vadim Radzievski Nora Jaliabova Dimitri Radzievski
---	--	-----------------	--

Department of Language and Speech Systems

Scientific-Research Works Planned and Implemented in 2013 Funded by the State Budget of Georgia

#	Title of the Work	Work Supervisor	Work Performers
1	Computer analysis of Georgian sentence in interactive mode (2013-2015)	Giorgi Chikoidze	Nino Amirezashvili Liana Lortkipanidze Liana Samsonadze Ana Chutkarashvili Nino Javakhishvili
#	Title of the Work	Work Supervisor	Work Performers
2	Research of interconnection between biometric signs of hearing and speech (2012-2014)	Giorgi Chikoidze	G.Kapanadze, A.Tushishvili, M.Tushishvili

Direction - Power Engineering Problems
V. Gomelauri
Department of Power Engineering Problems

Scientific-Research Works Planned and Implemented in 2013 Funded by the State Budget of Georgia

#	Title of the Work	Work Supervisor	Work Performers
1	Modern tendencies of power engineering development and problems of optimal utilization of Georgia's energy resources	T.Magraqvelidze	Archuadze Irma Bantsadze Nicholas Gadzelishvili Nodari Lomidze Khatuna Mirianashvili Nodari Miqashavidze accents Khatashvili Venus Janikashvili Manana