

### Performers of the 2011 Winner Projects

Project Supervisor and co-performers (Scientific Unit)	Position	Faculty, Department, Direction	Project Title
T. Paghava - Doctor of Physical and Mathematical Sciences	Faculty of Informatics and Control Systems, Department of Physics	Faculty of Informatics and Control Systems	Formation of nanoscopic atomic clusters in $n - Si$ crystals with high energy particles through irradiation method
G. Jandieri - Professor	GTU, Department of Physics, Direction of General and Applied Physics	Faculty of Informatics and Control Systems	The influence of electrodes and geomagnetic fields fluctuations in the turbulent atmosphere layers on the depolarization of radio waves
E. Kutelia – Doctor, Professor	Faculty of Informatics and Control Systems, Republican Center for Structural Surveys	Faculty of Informatics and Control Systems	Technology and research for obtaining carbon nanoparticles, nanotubes, monofilaments and new nanocomposits.
T. Shakarashvili – Candidate	Chemical technology and	Faculty of Chemical	Receipt of base oils from petroleum

of Chemical Sciences, Associate Professor	metallurgy Organic material technology	Technology and Metallurgy	and regeneration of operated motor and transformation oils
M.Andghuladze - Doctor of Chemical Sciences, Associate Professor	Chemical technology and metallurgy Organic material technology		
Z. Kovziridze - Doctor of Technical Sciences, Full Professor	Faculty of Chemical Technology and Metallurgy, Direction of Composite material technology, Center for Bio-Nano Ceramics and Nano-composite material studies	Faculty of Chemical Technology and Metallurgy	Guided local hyperthermia for the treatment of cancer
Z. Jabua - Full Professor G. Iluridze - Associate Professor	Faculty of Informatics and Control Systems, Faculty of Informatics and Control Systems	Faculty of Informatics and Control Systems	Obtaining thin films of mono- anthimonides of certain rare earth elements and their physical properties
M. Tserodze - Candidate of Chemical Sciences	Academician T. Loladze Scientific Center of Diamonds and Composite Materials	Faculty of Chemical Technology and Metallurgy	The new instrument of extreme hardness material and its usage in construction
N. Dolidze - NDoctor of	Faculty of Informatics and	Faculty of	"Designing and Creating a Medical

Physical and Mathematical Sciences  Z. Jibuti - Doctor of Physical and Mathematical Sciences	Control Systems, Direction of Physics  Faculty of Informatics and Control Systems, Direction of Physics	Informatics and Control Systems	Equipment for Radiotherapy"
L. Imnaishvili - Doctor of Technical Sciences	Faculty of Informatics and Control Systems, Department of Computer Engineering	Faculty of Informatics and Control Systems	Research and application of biometric technologies
R. Khurodze - Doctor of Technical Sciences, Full Professor, Corresponding member of Georgian Academy of Sciences O. Verulava - Doctor of Technical Sciences, Full Professor R. Chogovadze M. Chkhaidze	Project Supervisor, Faculty of Informatics and Control Systems, Direction of Artificial Intelligence. Direction of Artificial Intelligence. Scientific Worker Scientific Worker	Faculty of Informatics and Control Systems	"Building computer recognition systems of Georgian printed texts"
M. Jibladze - Doctor of Physical and Mathematical Sciences, Professor	Faculty of Informatics and Control Systems, Direction of Physics	Faculty of Civil Engineering	The problem of obtaining the Black Sea hydrogen and sulfide.

L. Zambakhidze – Associate Professor	Faculty of Civil Engineering Direction of Structural integrity monitoring and expertise	Faculty of Civil Engineering	The impact of terraced variation in the planned difficult structure and floor height during the seismic influence on the tense-deformed structure.
V. Loladze - Full Professor  Sh. Bakanidze - Associate Professor  N. Mskhiladze – Associate Professor	№75 Direction of Building industry technology  №75 Direction of Building industry technology  №75 Direction of Building industry technology	Faculty of Civil Engineering	Complex technical and technological solutions for ensuring sustainability of slopes and ground structures
Z. Tsikhelashvili - Doctor of Technical Sciences, Full Professor	Head of the №44 Direction of Water Management, Water Supply and Sewerage, Faculty of Civil Engineering	Faculty of Civil Engineering	Full biological cleaning of industrial wastewater with the acquisition of fuel biogas and fertilizers
Z. Gedenidze - Doctor of Technical Sciences, Professor	Faculty of Civil Engineering, Educational-Scientific Center of the Faculty	Faculty of Civil Engineering	Analysis of strengthening of underground hydraulic buildings under new Norwegian method under conditions of minimization

V. Dvalishvili - Candidate of Technical Sciences, Senior Scientific-Worker	Faculty of Civil Engineering, Educational-Scientific Center of the Faculty		and value reliability.
A. Motsonelidze - Doctor of Technical Sciences, Professor	Faculty of Civil Engineering, Educational-Scientific Center of the Faculty		
S. Avaliani - Doctoral Student	Faculty of Civil Engineering, Educational-Scientific Center of the Faculty		
A. Sarukhanashvili - Doctor of Technical Sciences, Full Professor	Faculty of Chemical Technology and Metallurgy, Direction of Physical and Colloidal Chemistry	Faculty of Chemical Technology and Metallurgy	Physical-chemical aspects of non-ferrous metals and alloys
L. Gvasalia - Doctor of Technical Sciences, Professor	Faculty of Chemical Technology and Metallurgy, Products of Inorganic and Household Chemistry	Faculty of Chemical Technology and Metallurgy	"Receipt of complex compilation, multifunctional fertilization at the local glaucomonomic phosphorus base "

M. Tsverava - Candidate of Technical Sciences, Associate Professor	Products of Inorganic and Household Chemistry		
A. Vashalomidze - Doctor of Technical Sciences	Center for Georgian Language Technology of GTU	Center for Georgian Language Technologies	“Voicing of printed Georgian text and syntax corrector for II stage Georgian Language”
K. Fkhakadze - Doctor of Physical and Mathematical Sciences	Educational-Scientific Center for Georgian Language Technology of GTU		
T. Futkaradze – Doctor of Philological Sciences, Full Professor	Center for Georgian Language Technology of GTU		
L. Lortkifanidze - Candidate of Technical Sciences	A. Eliashvili Institute of Control Systems	A. Eliashvili Institute of Control Systems	Computer - Assisted Language Learning
D. Jishiashvili - Full Professor	Institute of Cybernetics,	Institute of	Receiving nanostructured sensitive sensory areas for detecting toxic

	Department of Elements of Computational technology and Nano-materials	Cybernetics	gases
T. Jikia – Associate Professor, Doctor of Geological and Mineralogical sciences.	Project Supervisor, Faculty of Mining and Geology, Direction of hydrogeology and engineering geology	Faculty of Mining and Geology	Creating floral cover with natural materials in arid climate zones
N. Vefkhviashvili – Academic degree of Doctor	Project Manager, Direction of hydrogeology and engineering geology		
K. Karseladze G. Gelashvili	Laboratory Assistant Laboratory Assistant		
K. Jafaridze – Doctor of Chemical Sciences, Professor, Academician. Ts. Zurabishvili - Doctor of	Institute of Cybernetics of GTU	Institute of Cybernetics	Nanostructured Liquid Crystal Polymer Films for Modern Systems of Information Reflection

Chemical Sciences, Doctor	Institute of Cybernetics of GTU		
M. Kukhaleishvili - Professor	LEPL Biotechnology Center of GTU; Deputy Director	LEPL Biotechnology Center of GTU	Creating a collection of pathogenic disease resistant, virus-free potato tuber plants in the potato growing regions of Georgia
G. Dvali - Senior Scientific Worker	LEPL Biotechnology Center of GTU; Microbiologist		
E. Bulauri - Scientific Worker	LEPL Biotechnology Center of GTU Chemical and morphological reproduction		
N. Murvanidze - Scientific Worker	plant reproduction		
T. Chipashvili - Scientific Worker	Plant Cultivation, Phytotron		
N. Chigogidze - Academic Doctor of Chemistry, Corresponding Member of	Faculty of Chemical Technology and Metallurgy Research Center for	Faculty of Chemical Technology and Metallurgy	Food products for correction of metabolism in the body



the Engineering Academy of Georgia R. Kldiashvili - Candidate of Chemical Sciences, Doctor, Full Professor	Biologically Active Substances Faculty of Chemical Technology and Metallurgy, Research Center for Biologically Active Substances		
G. Adamashvili- Doctor of Physical and Mathematical Sciences	Faculty of Informatics and Control Systems, Scientific-Research Center for Theoretical Physics and Nano-Optics	Faculty of Informatics and Control Systems	Unusual waves equipped with anisotropic "positive and negative indexes" in meta materials.
T. Tsabadze - Doctor	Department of Commercialization, Chief Specialist	Scientific-Engineering Center "Sisometi"	A New Method of Decision Making Based on Fuzzy Evaluations of Experts
N. Baghaturia - Academician of the Academy of Agricultural Sciences N. Begiashvili - Doctor of Technical Sciences	Scientific-Research Institute of Food Industry of LEPL Georgian Technical University Scientific-Research Institute of Food Industry of LEPL Georgian Technical University	Scientific-Research Institute of Food Industry	Analysis of the Technology of Getting Natural Antioxidant Supplement of Bread from Red Grape Varieties
D. Jafaridze - Full Professor	Faculty of Power Engineering and Telecommunication	Faculty of Power Engineering and	Analysis of the Work of Electricity

T. Museliani - Candidate of Technical Sciences, Academic Doctor, Full Professor.	Faculty of Power Engineering and Telecommunication	Telecommunication	and Water Supply Systems of Georgian Technical University and Elaboration of its Optimal Management Model
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