

LEPL SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION
Winner Projects of Doctoral Educational Programs of Georgian Technical University in 2013-2017

#	Code	Year	Project Title	Grant Receiver	Scientific Supervisor	Direction ¹	Sub-direction ¹
1	DO/104/6- 160/13	2013	Examine some electrical properties of III-V semiconductor compounds and their solid solution before and after irradiation.	KvirkveliaBela	KekelidzeNodar	6. Physical and Chemical Sciences	6-160 Semiconductor and Dielectric Physics
2	DO/119/3- 101/13	2013	Theoretical and experimental research of the new type of pre-bordered archgirder.	TabagariGiorgi	SurguladzeBichiko	3. Engineering Sciences, High-tech Materials	3-101 Construction engineering, Buildings and constructions
3	DO/180/9- 250/13	2013	Study of colloidal mudflow of the river Duruji.	SupatashviliTamriko	GavardashviliGivi	9. Earth and related environmental sciences	9-250 Environment protection technologies
4	DO/145/6- 170/13	2013	Development of the methods of modern non-dual diffusion images in brain research.	Qobalia Nino	KotetishviliQetevan	6. Physical and Chemical Sciences	6-170 Physics of magnetic resonances
5	DO/70/3-100/13	2013	Study of the problem of changing the functions of buildings.	Bokhashvili Gela	TsiqarishviliMalkhazi	3. Engineering Sciences, High-tech Materials	3-100 Construction
6	DO/128/4- 140/13	2013	Research and visualization of multifaceted, freely moving lever mechanisms by using modern information technologies.	Razmadze Marina	Tavkhelidze Davit, Mchedlishvili Nino	4. Information Technologies, Telecommunications	4-140 Information Systems, device construction, metrology
7	DO/13/10- 150/13	2013	Obtaining wine fortified with polyphenols and phytoalexin from endemic grape varieties by identification of main factors affecting phenol content.	MeskhidzeManuchar	Khomasuridze Mariam	10. Agricultural Sciences	10-150 Technology and safety of food products
8	DO/208/4- 100/13	2013	The research of the methods and means of protection of information spaces of states' election processes.	IashviliGiorgi	GasitashviliZurab	4. Information Technologies, Telecommunications	4-100 Information technologies
9	DO/105/4- 100/13	2013	Development and research of the monitoring of the subject in the institution (on the example of the example of educational institution).	KirkidzeNatia	ImnaishviliLevan	4. Information Technologies, Telecommunications	4-100 Information technologies
10	DO/132/4- 100/13	2013	Perfection of the electronic system of student academic performance monitoring.	TitvinidzeAlina	ImnaishviliLevan	4. Information Technologies, Telecommunications	4-100 Information technologies
11	DO/26/2-240/13	2013	Problems of development of maritime transport in Georgia and mechanisms of problem solutions.	DiasamidzeTengiz	Amanatashvililason	2. Humanitarian, Economic and Social Sciences	2-240 Econometrics, statistic methods
12	DO/84/3-101/13	2013	Seismic protection measures of civil buildings and the means of their implementation.	Bediashvili Malkhaz	SokhadzeAguli	3. Engineering Sciences, High-tech Materials	3-101 Construction engineering, Buildings and constructions
13	DO/171/3- 102/13	2013	Safety analysis of ventilation systems of special objects for optimal parameters determination.	Arudashvili Nino	Botchorishvili Naomi, Lanchava Omar	3. Engineering Sciences, High-tech Materials	3-102 Thermal power supply, ventilation, conditioning, gas supply and lighting

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14	DO/77/3-100/13	2013	Modern methods of conducting construction and technical expertise, the research of the automation and legal aspects of the process.	KatsadzeAmiran	TsiqarishviliMalkhaz	3. Engineering Sciences, High-tech Materials	3-100 Construction
15	DO/74/3-101/13	2013	Improvement of metal constructions diagnosis and perfection of the determination methodology of residual resources	KiknadzeMalkhaz	TsiqarishviliMalkhaz	3. Engineering Sciences, High-tech Materials	3-101 Construction engineering, Buildings and constructions
16	DO/8/3-109/13	2013	Hydrological problems of the river confluences and ways their solution in the Black Sea regions of Georgia.	KoduaManoni	GagoshidzeShalva	3. Engineering Sciences, High-tech Materials	3-109 Hydraulics and engineering hydrology
17	DO/75/3-160/13	2013	Examine the impact of electronic and microprocessor technologies load power on the energy quality and country's energy safety.	MtvarelishviliGiorgi	MuselianiTengiz	3. Engineering Sciences, High-tech Materials	3-160 Electrotechnics
18	DO/213/2- 230/13	2013	Development of tourism-resort models in high mountainous regions of Georgia.	Shafatava Nino	BarkalaiaBesik	2. Humanitarian, Economic and Social Sciences	2-230 micro and macroeconomics
19	DO/72/3-100/13	2013	The determination of the ground deformation module in the laboratory.	GiorgishviliOlgha	TchokhonelidzeGuga	3. Engineering Sciences, High-tech Materials	3-100 Construction
20	DO/98/3-103/13	2013	Management of the assessment of quantity of drinking water loss in water supply systems and methods of economic assessment.	Klimiashvili Irina	NatsvlshviliNik oloz	3. Engineering Sciences, High-tech Materials	3-103 Water supply, sewerage, constructionsystem of water resource protection
21	DO/110/2- 191/13	2013	The relationship of USA and Soviet union in the 80s and early 90s of the 20th century.	Darchia Tamar	SonghulashviliAvtandi l	2. Humanitarian, Economic and Social Sciences	2-191International relations
22	DO/32/3-170/13	2013	Development and realization of economic- mathematical models of optimal planning of electricity tariffs for long term periods.	Kikabidze Nino	Jafaridze Davit	3. Engineering Sciences, High-tech Materials	3-170 Power engineering
23	DO/35/3-107/13	2013	The means of raising competitiveness of Georgian railway transport.	NanobashviliGiorgi	ChkheidzeTeimuraz	3. Engineering Sciences, High-tech Materials	3-107 Construction of railways
24	DO/82/3-110/13	2013	Urbanized environment (architecture) as an object of visual perception.	Khabeishvili Mariam	Khabeishvili Nino, KiknadzeZurab	3. Engineering Sciences, High-tech Materials	3-110 Architecture of building-constructions
25	DO/25/2-230/13	2013	Agribusiness development policy and food security strategy.	ZivzivadzeLasha	BaratashviliEvgeni	2. Humanitarian, Economic and Social Sciences	2-230 micro and macroeconomics
26	DO/106/3- 170/13	2013	An experimental study of local coal calorific value in the "boiling layer" in order to burn it.	ChkhikvadzeQetevan	Kighuradze Omar	3. Engineering Sciences, High-tech Materials	3-170 Power engineering
27	DO/11/2-190/13	2013	Prospects for the introduction and development of "electronic government" in the Autonomous Republic of Adjara.	ManvelidzeIrakli	IashviliGenadi	2. Humanitarian, Economic and Social Sciences	2-190 Political sciences
28	DO/83/2-221/13	2013	Modern social networks and peculiarities and prospects of their development in Georgia	Ablotia Marine	GobechiaGigla	2. Humanitarian, Economic and Social Sciences	2-221 Public opinion and media
29	DO/44/3-170/13	2013	Prognostic analysis of energy safety ofGeorgia and ways of its raising.	BitchiashviliIrakli	Jafaridze Davit	3. Engineering Sciences, High-tech Materials	3-170 Power engineering

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30	DO/174/9- 250/13	2013	Research of new alternative ways of Kolkheti wetland soil drying systems.	GuguchiaMaka	GavardashviliGivi	9. Earth and related environmental sciences	9-250 Environment protection technologies
31	DO/95/3-100/13	2013	Project proposal for facilitating the Doctoral thesis, entitled: "Rehabilitation of Tbilisi Degraded Spaces"	DzagnidzeShota	NakhutsrishviliOtar	3. Engineering Sciences, High-tech Materials	3-100 Construction
32	DO/36/2-240/13	2013	Improvement of transit transportation management of Georgia's road transport.	Kifiani Salome	TkeshelashviliGode rdzi	2. Humanitarian, Economic and Social Sciences	2-240 Econometrics, statistic methods
33	DO/58/4-101/13	2013	Elaboration of spatial-time codes based on continuous modulation.	Sordia Mariam	ShavgulidzeSergo	4. Information Technologies, Telecommunications	4-101 Information theory and coding
34	DO/125/2- 150/13	2013	Kashueti (Kvashveti) Architectural ensemble.	Giorgobiani Liana	SanikidzeTamaz	2. Humanitarian, Economic and Social Sciences	2-150 Art studies
35	DO/175/5- 104/13	2013	Statistical analysis of the financial model of some socio-political institutions.	ChartolaniRusudan	KirtadzeAleqsi	5. Mathematical Sciences	5-104 Probability theory and mathematical statistics
36	DO/168/3- 102/13	2013	Investigation of thermo-hydrodynamic processes in a new type of turbine membrane pump.	MefarishviliMinago	ShekrladzeIrakli	3. Engineering Sciences, High-tech Materials	3-102 Thermal power supply, ventilation, conditioning, gas supply and lighting
37	DO/259/2- 190/13	2013	Sustainable development-grounds for security of Georgia	ChitaitMalkhaz	Revazishvili Tamar	2. Humanitarian, Economic and Social Sciences	2-190 Political sciences
38	DO/308/4- 105/14	2014	Doctoral program of "Informatics" of the faculty of Informatics and Control Systems at Georgian Technical University	ChiqvinidzeMerab	FkhakadzeKonstantine	4. Information Technologies, Telecommunications	4-105 Computational Linguistics
39	DO/88/2-105/14	2014	Aspects of the cultural relations of Iberia and Rome	FarjanadzeTeimuraz	InanishviliGivi, Kalandadze Nino	2. Humanitarian, Economic and Social Sciences	2-105 Archeology
40	DO/305/4- 105/14	2014	Doctoral program of "Informatics" of the faculty of Informatics and Control Systems at Georgian Technical University	ChichuaGiorgi	FkhakadzeKonstantine	4. Information Technologies, Telecommunications	4-105 Computational Linguistics
41	DO/159/4- 130/14	2014	Research of ecological parameters of Black Sea on the basis of multimedia bases.	Gavardashvili Ana	SurguladzeGia	4. Information Technologies, Telecommunications	4-130 Databases, manage and apply databases
42	DO/280/4- 110/14	2014	Modeling and research of multi-contoured mechanisms for innovative process management.	GagloshviliJulieta	GasitashviliZurab, XucishviliSulkhan	4. Information Technologies, Telecommunications	4-110 Management systems, elements and appliances of management systems and calculating machines
43	DO/77/3-109/14	2014	Hydrological problems of the river confluences and ways their solution in the Black Sea regions of Georgia.	KoduaManoni	GagoshidzeShalva	3. Engineering Sciences, High-tech Materials	3-109 Hydraulics and engineering hydrology
44	DO/226/2- 150/14	2014	Queen Darejan's Palace ("Sachino") in Tbilisi and late medieval construction (architecture) issues.	Chekurishvili Nino	SanikidzeTamaz	2. Humanitarian, Economic and Social Sciences	2-150 Art studies
45	DO/56/2-190/14	2014	Prospects for the introduction and development of "electronic government" in the Autonomous Republic of Adjara.	Manvelidzeirakli	IashviliGenadi	2. Humanitarian, Economic and Social Sciences	2-190 Political sciences

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46	DO/38/2-191/14	2014	Religious and political relations of Georgia and Spain in XV-XVII centuries.	Gabunia Mariam	PapashviliMurman	2. Humanitarian, Economic and Social Sciences	2-191 International relations
47	DO/321/5- 104/14	2014	Statistical analysis of the financial model of some socio-political institutions.	ChartolaniRusudan	KirtadzeAleqsi	5. Mathematical Sciences	5-104 Probability theory and mathematical statistics
48	DO/82/10- 170/14	2014	Determination of optimal regimes of irrigation for agricultural crops by considering soil-ground characteristics	Lomishvili Maia	KruashviliIrakli, Inashvili Irma	10. Agricultural Sciences	10-170 Agricultural melioration
49	DO/329/3- 100/14	2014	Research of the causes of defects and damages of iron-concrete and stone constructions.	QatamadzeAkaki	TsiraqishviliMalkhazi	3. Engineering Sciences, High-tech Materials	3-100 Construction
50	DO/26/4-142/14	2014	Automated control of multimodal transportation business processes.	SurguladzeGiorgi	GogichaishviliGiorgi	4. Information Technologies, Telecommunications	4-142 Application of information systems
51	PhDF2016_15	2016	Survey of radon radiation in some natural objects.	Lela Mtsariashvili	Gela Goderdzishvili	1. Natural Studies	1.5Earth and related environmental sciences
52	PhDF2016_235	2016	Elaboration and usage of new methods of research in traumatic brain injury.	EleneJordanishvili	QetevanKotetishvili	1. Natural Studies	1.3 Physical sciences
53	PhDF2016_59	2016	Technology and physical properties of some ferromagnetic nano-liquid.	JanoMarkhulia	ZaurJabua	2. Engineering and Technology	2.10 Nano-technology
54	PhDF2016_201	2016	Development of tourist-recreation clusters in Samtskhe-Javakheti considering its city planning factors.	Tamar Khoshtaria	Nino Chachava	5. Social Sciences	5.4 Sociology
55	PhDF2016_113	2016	Synthesis of one-dimensional nano-materials in hydraulic vapor and research of their properties.	AleksandreJishiashvili	Davit Jishiashvili	5. Social Sciences	5.2Economics and business
56	PhDF2016_137	2016	Study of mudflows of erosive and landslide genesis and elaboration of modern activities to struggle against it on the example of Gldaniskhevi River.	Irina Khubulava	GogaChakhaia	2. Engineering and Technology	2.7 Environmental engineering
57	PhDF2016_219	2016	Designing high excess capacity data storage for critical systems	GiorgiKiviladze	GiaSurguladze	2. Engineering and Technology	2.2 Electrical engineering, electronic engineering, information engineering
58	PhDF2016_225	2016	Processing and manufacturing of prototypes of the membrane cleaning industrial module up to liquid gallium 7N+.	GiorgiKvinikadze	ElgujaQutelia	2. Engineering and Technology	2.5 Materials engineering
59	PhDF2016_44	2016	The assessment of the danger of geodynamic processes of Zugdidi-Jvari-Mestia-Lasdilimotor road and GIS analysis.	Diana Egiazarova	Davit Rogava	1. Natural Studies	1.5 Earth and related environmental sciences
60	PhDF2016_143	2016	The ancient metallurgy in mountainous Kolkheti (Lechkhumi)	Nana Rezesidze	ZviadKvitsiani	6. Humanities	6.1 History and Archeology
61	PhD_F_17_192	2017	Analyzing the pollution caused by manganese dioxide in the Zestafon industrial region's environmental units with numerical modeling.	NatiaGigauri	Leila Gverdtsiteli	1. Natural Studies	1.5.9 Meteorology and atmospheric sciences;
62	PhD_F_17_123	2017	Management problems of national defense of Georgia and ways of their solution.	VefkhviaGrigalashvili	Genadilashvili	7. Georgian Studies	7.5.1. Social Sciences