



## NATIONAL DEFENCE ACADEMY



### ***Personal Information***

*Burduladze Aleks*

### ***Education***

*1978-1983 Georgian Polytechnic Institute, Qualification - Civil Engineer*

*1992 Georgian Technical University, Postgraduate Studies, Qualification - Candidate of Technical Sciences*

*2006 Georgian Technical University, Doctorate, Qualification - Doctor of Technical Sciences*

### ***Workplace, experience***

*2012 - Present National Defense Academy, Professor*

*2006 - present Georgian Technical University, Professor*

*2007-2009 Georgian Technical University. Head of Traffic Department*

*2000-2006 Georgian Technical University. Head of the Department of Roads and Aerodromes*

*1993-2000 Georgian Technical University. Associate Professor of the Department of Roads and Aerodromes*

*1992-1993 Georgian Technical University. Assistant of the Department of Roads and Aerodromes*

*1987-1992 Georgian Polytechnic Institute, Head of the Student Design and Design Bureau*

*1986-1987 Georgian Polytechnic Institute, Engineer of Student Design and Design Bureau*

*1983-1986 Georgian Polytechnic Institute, Engineer of Student Design and Design Bureau*

### ***Courses and trainings taken***

**2021** ERASMUS+ Project PRINTeL №585760-EPP-1-2017-1-AM-EPPKA2-CBHE-JP "Changes in the Classroom: Promoting Innovative Teaching and Learning to Improve Student Learning Experiences in Eastern Partnership Countries"

**2016** Partnership for Peace Consortium of Defense Academies and Security Studies Institutes 12.2016

**2015** Partnership for Peace Consortium of Defense Academies and Security Studies Institutes  
Deep National Georgian Educators' Workshop. 02.2015

**2014** Partnership for Peace Consortium of Defense Academies and Security Studies Institutes

**2013** Recognition of your participation and contributions to the Georgian defense educators' program. 06.2013

2010	<i>Britnish Centre . English at the Britnish Centre. 02-11,2010</i>
2009	<i>GTU Professional Development Center, Iowa State University USA General course of modern teaching methodologies. 03.2009</i>
2008	<i>SABIT. Departament of CoMMerce. USA. 2008. Road Construction Program. 05.2008</i>

***List of scientific papers (last 10 years)***

- *Application of geotextile in the construction of automobiles*
- *Optimization Of Asphalt-Concrete Pavement In The Conditions Mountainous Relief*
- *Modern technologies of asphalt concrete restoration of the aerodrome*
- *Modern type of road marking*
- *Theoretical Bases of Creation of Semifixed Composite Coverings*
- *INTRODUCTION OF VARIOUS SURFACE-ACTIVE ACQUISITION OF PROPERTIES OF ASPHALT-CONCRETE MIXTURES*
- *RECLTIVATION TAKEN DOROG IN STRUCTURE*
- *Improvement Of The Quality Of The Asphalt Mix*
- *Existing in Georgia local road construction materials and their optimal use in the construction*
- *Application of semi-heated coatings in the home oven*
- *Reconstruction of the related facilities of recycling technologies*
- *Asphalt concrete pit repair*
- *REPAIR OF ASPHALT-CONCRETE DOORS INFRASTRUCTURE METHOD*
- *Semi-rigid composite coating technology*
- *Basics of highway design*
- *Peculiarities of flexible pavements construction with consideration of existing climatic conditions in Georgia*
- *USE OF COMPOSITION MATERIAL BITUM-RESIN IN CORRESPONDING STRUCTURES*
- *PUTI STRUCTURES PROPERTY BITUMA IN TERRITORIAL STRUCTURES*
- *Peculiarities of flexible pavements construction with consideration of existing climatic conditions in Georgia*
- *Research-research and design of highways and airfields*
- *Maintaining the quality of operation of road clothes*
- *Repair of road clothes by recycling method*
- *Calculation of road clothes by the method of marginal ratio of voltages*
- *Calculating the bearing capacity of road clothes through theoretical analysis*
- *Calculate the bearing capacity of road clothes according to structural numbers*

### *Participation in conferences, congresses, symposia*

- *H1 All-Scientific Scientific-Research Conference "Perspective Economic and Long-Term Constructions of Automobiles and Technology and their Equipments" CONSIDERATIONS, Moscow, 1987*
- *Intensification of construction work. Regional Scientific-Technical Conference, Vladimir, 1988*
- *GTU Professor-Teacher Scientific-Technical Conference, Tbilisi, 1993*
- *XI International School-Seminar "Iversi 94", Tbilisi, 1994*
- *Russian Scientific-Technical Conference "Modern Technologies and Materials during the Construction and Operation of Roads", Suzdal 1994*
- *The First Scientific-Technical Conference of Georgia "People-Road-Transport-Ecology-Traffic Safety", Kutaisi, 1996*
- *Open Scientific-Technical Conference of Professors and Teachers, GTU, 1997*
- *International Scientific-Practical Conference. Car transport complex. Problems and Perspectives of Development, Moscow 2000*
- *Abstracts of the reports of the Open Jubilee Scientific-Technical Conference of Professors dedicated to the 80th anniversary of the Georgian Technical University. Tbilisi 2002*
- *78th Open International Scientific Conference of Georgian Technical University*
- *"European Science and Technology" 4th International scientific conference. Germany, Munich 2013, P. 150-156, ISBN 978-3941352-88-9*
- *XII International Scientific-Practical Conferences "Scientific Discussion: Questions of Technical Science". Moscow, 2013 , ISBN 978-5-00021-071-0*
- *"Theoretical & Applied Sciences" Linkoping Sweden, 2014, P. 44-47, ISSN 2308-4944.*
- *Theoretical & Applied Sciences Birmingham, United Kingdom, 2014, P. 61-64, ISSN 2308-4944*
- *V Ж INTERNATIONAL SCIENTIFIC - PRACTICAL CONFERENCE " PROPERTY CONTEMPORARY SCIENCES : PROBLEM , TENDENCIES AND PERSPECTIVE ". ( January 13 , 2017 ) \_ Moscow - 2016*
- *Theoretical & Applied Sciences Philadelphia, USA, 2017, P. 139-142, ISSN 2308-4944*
- *HJ INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE (February 10, 2017). z. Moscow- 2017*
- *INTERNATIONAL EXAMINATION ORGANIZATION «COGNITIO». XVIII INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE "CURRENT PROBLEM OF SCIENCE XX CENTURY" (31.01.2017) Moscow 2017*

### *ნათარგმნი და რედაქტირებული წიგნები*

### *მონაწილეობა სახელმწიფო გრანტით დაფინანსებულ სამეცნიერო-კვლევით პროექტებში*

- *2006-present j. By the order of Tbilisi City Hall - Preparation of project-expenditure and tender documents for the construction of streets and roads in Tbilisi*
- *2008-present By the order of the Roads Department of Georgia - preparation of project-expenditure and tender documents for the construction of international and domestic roads, in different regions*

*of Georgia*

- 2008-2009 Construction of Tbilisi streets with the funding of the Kuwait Fund
- 05.2010 11.2010 Network of Enterprise Research Development and Support Centers.
- 09.2009-11.2009 Programs for University Industry Inters face (PUII).
- 03.2008-11.2008 Georgia Education and Enterprises Pilot (GEEP). Department of Foreign Affairs of Ireland
- 10.2006-10.2008 Establishing Quality Assurance services in Georgian Highar Education Institutions.
- 2006–2007 Compilation of the state standard - highways. Classification, basic geometric parameters and requirements
- 10.2006-04.2007 Capacity Building for Straregic Planning in Education.
- 05.2006-10.2007 Training of mid-level mine management managers. In collaboration with the University of Crenfield.
- 10.2006 Technical Workshop on “Strategic Planning and Quality Assurance in Education”,
- 07.2006 Education for All and Education Policy Planning and Implementation
- 05.2005-10.2005 Distance learning for start-up businessmen.
- 11.2004-02.2005 English for transporters.
- 02.2004 Computer and video teaching methods for engineers
- 2004–2005 GSIF II, KfW Road Component. At the invitation of the German consulting company "GOPA Worldwide Consultats" quality control of road rehabilitation works in different regions of Georgia
- 2003–2006 KfW Road Component. DTS Group-by invitation. Quality control of roads under construction in the regions of Georgia
- 2003 Roads being built with the funding of the British company BP-Co
- 02.2003-11.2003 Exploring the possibilities of creating a small business incubator.
- 03.2002-03.2003 How to run your own small business
- 2002 Compilation of national norms - classification of road works and instruction on interim repair deadlines
- 2002 Compilation of state standard - highways. Classification, basic parameters and requirements
- 02.2000 03.2000 Business Support Network Tbilisi Center.
- 09.2005-09.2018 Modern technologies of urban infrastructure development

***Other activities (cadet supervision, etc.)***

***Knowledge of languages***

*English - poorly*

*Russian - fluently*

**computer programs**

- *Microsoft Office Word*
- *Microsoft Office Excel*
- *Microsoft Office Access*
- *Microsoft Office PowerPoint*
- *Microsoft Office Project*
- *Microsoft Office Outlook*
- *AutoCAD*
- *Microsoft Office Visio*
- *MS office applications*
- *Adobe Acrobat*
- *Corel*
- *HTML*
- *ORIS*
- *Photoshop*
- *Windows*
- *ინტერნეტი*
- *3D MAX*

**დამატებითი ინფორმაცია**

- *Member of the Engineering Academy (Academician)*
- *Gold medal of the "EUROPEAN QUALITY". 2015*
- *Ministry of Regional Development and Infrastructure of Georgia. Department of Highways. Georgian Road Society Deed - for successful work in the road sector of Georgia*
- *Ministry of Regional Development and Infrastructure of Georgia Department of Roads. Georgian Road Society Honorary title - Road Road of the Year*
- *Diploma of Honor of the David Agmashenebeli Georgian National Defense Academy*