EXPERIENCE

09.2011: Full professor of Georgian Technical University, Faculty of Informatics and Control Systems.

Senior Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (Tbilisi, Georgia) and Main Scientific Worker of the Muskhelishvili Institute of Computational Mathematics of Georgian Technical University (Combined Jobs).

Development of original methods and software of statistical inference. Development of high reliable and economic methods of verification in biometric systems. Data processing and analysis.

09.2007-09.2012: Foreign Professor of Abdus Salam School of Mathematical Sciences of GC University, Lahore (Pakistan).
Main Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (on a voluntary basis) (Tbilisi, Georgia).
Development of new, original methods (unconstrained, constrained and sequential) of statistical hypotheses testing of Bayesian type. Development of mathematical models and methods for the solution of the problems of sustainable development of production.
Supervisor of two post-graduate students which have defended the following theses for PhD on

07.05.11: 1. Bayesian Approach of Testing Many Hypotheses Concerning Parameters of Multivariate Normal Distribution; 2. Generalization of Bayesian Approach of Testing Many Hypotheses as Conditional Optimization Problem.

08.2001-09.2007: Main Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (Tbilisi, Georgia).
Full professor of Georgian Technical University, Faculty of Informatics and Control Systems.
Development of environmental protection mathematical methods and facilities. Processing of environmental, agricultural, medicine data by methods of applied mathematics on the IBM – compatible personal computers. Development of mathematical methods and software for data analysis. Development of methods and algorithms of the Mathematical Statistics.

1992-2001: Head of National Center of Environmental Monitoring (Tbilisi, Georgia).
Full professor of Georgian Technical University, Faculty of Informatics and Control Systems.
Main Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (Tbilisi, Georgia) (combined job).
To manage and control environmental monitoring actions, strategy and policy realized by national center of Environmental Monitoring of the Ministry of Environment Protection of Georgia; to participate in the development of strategy, policy and national legislation of the environmental monitoring of Georgia.
Development of environmental monitoring automation methods and facilities: application packages for processing of experimental data and atmospheric and hydro chemical contamination information; algorithms and programs of identification of River Water Pollution Sources (for IBM compatible computers), information collection and transmission device.
Development of mathematical methods of metrological provision for measuring facilities and their program realization.

Developed packages for environmental monitoring automation and processing of experimental data have taken the first place and were awarded by the main prize at the program products exhibition, which developed and held in Georgia on June 1999 in Georgian Technical University.

1981-1992: Chief of Automated Information-Measurement systems department at Tbilisi Scientific Production Association "Analytical Instruments".
Professor of Georgian Technical University, Faculty of Informatics and Control Systems.
Development of automated pollution level control systems for Rivers Kura (Tbilisi, Georgia), Moscow (Moscow, Russia), Tom (Kemerovo, Russia), Odessa mineral fertilizer plant (Odessa, Ukraine), Riga waste waters (Riga, Latvia); software of AMA-203, AMA-206 multichannel automatic analyzers for various water component measurements; application packages for measurement information processing; mathematical methods, algorithms and programs for various analytical instruments, in particular, for the special measure instruments.
Software of automated wastewater contamination control system (Riga, Latvia) took the first place at the international forum in 1991 (Togliatti, Russia) in which many companies from different countries participated. The work was executed in the frame of ecological program of the Baltic Sea.

1977-1981: Laboratory chief at Scientific Production Association "Elva" (Tbilisi, Georgia).
Associated Professor of Georgian Technical University, Faculty of Informatics and Control Systems.
Development of special algorithms and programs of processing of radiolocation information for detection and tracking the group of moving objects (airplanes, rockets, submarines) for their devastation.
Development of algorithms and programs of standard software for commercial and special computers; software and mathematical support of Management Information System for various engineering processes.

1974-1977: Post-graduate study at the Moscow Power Institute (Technical University) – МЭИ, chair of applied mathematics, Moscow, Russia; junior scientific worker of the chair of applied mathematics (Moscow, Russia).
Development of special methods, algorithms and programs of radiolocation measurement information processing for detection and tracking of moving objects (airplanes, rockets) for special units.

1972-1974: Engineer at Scientific Research Institute of Industry automation (Gori, Georgia).
Participation in development of automation methods for food industry.

LECTURER EXPERIENCE

1975-1976 - lecturer in Moscow Energy Institute (in Russian).
1979-1993 – associate professor and full professor of the Georgian Technical University, the chairs of computer sciences and the information measurement instrumentation (in Georgian and in Russian).

2003-2007 - full professor of the Georgian Technical University, the chair of automatic systems of management (in Georgian and in Russian).

1996-2006 - full professor of the chair of computing mathematics and informatics of Tbilisi State University (in Georgian).

2006-2007 (spring) – invited professor of Tbilisi Economic Relations Government University (in Georgian and in Russian).

2007-2012 - Full Professor of Abdus Salam School of Mathematical Sciences of GC University Lahore (Pakistan) (in English).

2011 (autumn semester) – Black sea University (Tbilisi, Georgia) (in English).

2012 – 2015 – European Research Center of Tbilisi State University (in English).
Since 2011 full professor of the Georgian Technical University.