

Ivane Javakhishvili Tbilisi State University
Faculty Exact and Natural Sciences
Department of Computer Sciences

Bachelor Program

Computer Science
კომპიუტერული მეცნიერება

Academic degree:
Bachelor of Informatics
ინფორმატიკის ბაკალავრი

Tbilisi
2019

Faculty	Faculty Exact and Natural Sciences
Program name	Computer Science
Program volume in credits	240 ECTS
Language of teaching	English
Academic degree awarded	Bachelor of Informatics
Prerequisite to access to the program	<p>The Georgian citizens must pass Unified National Exams. Admission for the program requires minimal competence levels in following Unified National Exams:</p> <ul style="list-style-type: none"> • English Language - 69% + 1 • General Aptitude – minimum competence levels is determined by National Assessment and Examinations Center • Georgian Language - minimum competence levels is determined by National Assessment and Examinations Center • Mathematics/Physics - minimum competence levels is determined by TSU faculty Exact and Natural Sciences <p>Foreign applicants should follow the rules and terms defined by the Ministry of Education and Science of Georgia (http://www.mes.gov.ge/content.php?id=1131&lang=geo) according to the order №224/N of the Minister of Education and Science of Georgia (December 29, 2011). The Applicant should prove English language qualification equivalent to CEFR level B2 or higher.</p>
Program Heads	Manana Khachidze Alexandre Gamkrelidze Gia Sirbiladze Koba GelaSvili (Full CV see in Appendix 1)
Program Coordinator	Magda Tsintsadze (Full CV see in Appendix 1)
Tuition fee	3 500\$ or 9000 GeL one academic year

Program Educational Objectives

The educational objectives of the undergraduate program “Computer Science” are to issue graduates who will

1. be productive, responsible computing science professionals conducting research and/or design developing and maintaining projects in the various areas of Computer Science,
2. understand and apply ethical issues and social aspects of computing science in performing their duties as computer science professionals,
3. continue the learning of new technologies in the computer science area through self-directed professional development or post-graduate education.

Student Outcomes

Department of Computer Sciences adopted ABET CAC Student outcomes:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

ABET CAC Student outcomes		Knowledge and understanding	Skills	Autonomy and Responsibility
1.	Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.			
2.	Design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.			
3.	Communicate effectively in a variety of professional contexts.			
4.	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.			
5.	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.			
6.	Apply computer science theory and software development fundamentals to produce computing-based solutions			

Performance Indicators for Student Outcomes

Student Outcomes:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
PI 1: Analyze a complex computing problem to identify a solution
PI 2: Apply principles of computing to identify a solution to a complex computing problem
PI 3: Apply principles of relevant disciplines to identify a solution to a complex computing problem
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
PII1: Design a software solution to meet a given set of computing requirements
PII2: Implement a software solution to meet a given set of computing requirements
PII3: Evaluate a computing-based solution to meet a given set of computing requirements
3. Communicate effectively in a variety of professional contexts
PIII1: Participate effectively in group discussions
PIII2: Prepare an effective presentation
PIII3: Write an effective project report
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
PIV1: Recognize professional responsibilities in computing practice based on legal and ethical principles.
PIV2: Make informed judgment in computing practice based on legal and ethical principles
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
PV1: Effectively engaged in team as member or leader
PV2: Contributes effectively for common task
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.
PVI1: Apply computer Science theory to produce a solution
PVI2: Apply software development fundamentals to produce a solution

Level Of Learning Achievement

- The learning outcomes are defined in the disciplines envisaged by the Bachelor Program of "Computer Science", which are taught in I-VIII semester. To reach this level means:
- Knowledge of fundamental principles and theories in computer science;
- Ability to use key and fundamental algorithms of computer science in different fields of science and practice;

- Ability to use modern programming languages and tools;
- Ability to operate and use different purpose tools of computer science and information technology.

Fields of Employment

Fields of employment of Bachelor of Computer Science are: Governance bodies, educational institutions and organizations of different forms of ownership which use computer technologies for their activities. Bachelor of computer science is predominantly prepared for the development and use of modern methods in the field of economy, management and financial activities. Bachelor of Computer Science can occupy any position that according to the laws of Georgia require higher education. The presented bachelor program takes care of graduates' employment, by means of providing opportunities for continues education, as well as by means of invited lectures participating in the program: most of them are representatives of big employers at Georgian labor market, their tight relationship with students increases the chance of employment of successful students with favorable conditions.

The Possibility To Continue Learning

Bachelor of Computer Science will be able to continue their study at master degree programs, such as "Computer Science", "Information systems", "Information technologies", which represent the extension of the undergraduate program. The graduates can continue their education also at master programs in mathematics, engineering, and other Natural Sciences those prerequisite are programming and mathematical knowledge. Major specialty choosing deadline

The third semester is the deadline for choosing major specialty (optimal is the second semester). If students change their mind, they will be able to continue learning at other bachelor programs being carried out at the faculty (mathematics, electronics).

Program Delivery Modes

The Computer Science program is offered as an on-campus day time program. Our academic year is divided into two semesters (fall and spring). Each semester 15 weeks of instruction, with the sixteenth week used for final examinations. The number of contact hours (lecture/practice/workshop/lab) correspond to 5 ECTS and usually meet for three 50-minute periods each week.

The required courses in computer science are offered in every semester, and the most of elective ones are offered at least once a year. Most undergraduate courses are offered during daytime.

There are three basic program delivery modes:

Lectures: verbal, problem-based learning (PBL), demonstration method, induction, deduction, analysis and synthesis.

Seminars, practical and laboratory teaching: verbal, book-based method, laboratory and demonstration methods, practical methods, induction methods, analysis method, and synthesis method, electronic attending (E-learning).

Team Projects: Verbal, PBL, E-learning, cooperative learning, collaborative work.

Grading scheme and grade distribution guidance

The student's knowledge is being evaluated according to the following system: "Excellent", "Very good", "Good", "Satisfactory", "Sufficient", "Marginal fail" and "Fail"

A student is evaluated in accordance with the following principle:

Scores	Evaluation	Classification of Evaluation	GPA of Evaluation
91% and more	(A) "Excellent"	Positive	4.0
81 -90%	(B) "Very good"	Positive	3.0
71 -80%	(C) "Good"	Positive	2.0
61 -70%	(D) "Satisfactory"	Positive	1.0
51 -60%	(E) "Sufficient"	Positive	0.5
41 -50%	(FX) "Marginal Fail"	Negative	0
40% and below	(F) "Fail"	Negative	0

The student's final mark in a specific subject is determined by the number of point collected by him/her in the different components (lecture, seminar, practical studies, laboratory exercises) in the course of interim and final (examination) evaluation.

The maximum a viable point in each course is 100. Final exam does not exceed 40 points, interim evaluation represents a combination of test scores, presentation in the class, and team or individual projects. The weight of each components are different for different course and are defined in syllabuses

Grading System of the CS Program is consistent with the TSU standard grading system:

Evaluation	Scores	GPA
A	91-100	4.0
B	81-90	3.0
C	71-80	2.0
D	61-70	1.0
E	51-60	0.5
F-FX	0-50	0.0

Curriculum

Full volume of 240 ECTS. from here:

145 ECTS - Computer Science subjects;

20 ECTS - Natural Sciences subjects:

30 ECTS - General education.

Faculty: *Faculty of Exact and Natural Sciences*

Institute / Department / Chair / Direction: Computer Sciences

Name of the Program: *Computer Science*

Level of training: a bachelor

Hheads of Program: Manana Khachidze

Coordinator: Magda Tsintsadze

Date of approval of the Academic Council, Resolution Number:

Date of the enrollment of the academic year (academic year): 2019-2020

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CS304	Web Programming	R	5	45/80	1/0/0/2	CS104								
CS305	Network Technologies and Communications	R	5	45/80	1/0/1/1	CS302								
CS 512 or CS 505	Formal Language and Automata or Functional Programing	SR	5	30/95	1/0/1/0	CS104, CS106								
				45/80	1/0/1/1	CS104								
CS	CS elective	SR	5											
CS	CS elective	SR	5											
GE	General Education	S	5											
CS401	Software Engineering	R	5	30/95	1/0/1/0	CS202								
CS402	Project Preparation	R	5	30/95	1/0/1/0	165 ECTS								
CS 512 or CS 505	Formal Language and Automata or Functional Programing	SR	5	30/95	1/0/1/0	CS104, CS106								
				45/80	1/0/1/1	CS104								
CSEL	CS elective	SR	5											
GE	General Education	S	5											
SC	Natural Sciences	SR	5											
CS403	Intelligent Systems	R	5	45/80	1/0/1/1	CS201, CS104								
CS404	Computer law and Ethics	R	5	30/95	1/0/1/0									
CS405	Team Projects	R	5	30/95	0/0/2/0	CS401, CS402								
CSEL	CS elective	SR	5											
SC	Natural Sciences	SR	5											
GE	General Education	S	5											
							30	30	30	30	30	30	30	30

Elective Courses

	Course	Subject status	ECTS	hours	Lecture / Practice / Work / Lab	Prerequisite	I Semester	II Semester	III Semester	IV Semester	V Semester	VI Semester	VII Semester	VIII Semester
Natural Sciences Courses														
Ph101	Introductory Physics	SR	5	60/65	2/2/0/0	N/R								
Che101	Introduction to Chemistry	SR	5	45/80	2/0/1/0	N/R								
Bio101	Introduction to Biology	SR	5	60/65	2/0/2/0	N/R								
Geo101	Introduction to Geography	SR	5	60/65	2/2/0/0	N/R								
Geol101	Introduction to Geology	SR	5	60/65	2/2/0/0	N/R								
Bio501	Genetics and Molecular Biology	SR	5	60/65	2/0/0/2	N/R								
Bio502	Human and Animal Physiology	SR	5	60/65	2/0/0/2	Bio101								
Bio503	Food and Health	SR	5	60/65	2/1/1/0	Bio101								
Geo501	Biogeography	SR	5	45/80	1/0/2/0	Geo101								
Geo502	Hydrology	SR	5	45/80	1/2/0/0	Geo101								
Ph501	Mechanics	SR	7	120/55	3/2/0/3	Ph101								
Ph502	Electromagnetism	SR	7	120/55	3/2/0/3	Ph501								
General Education														
GE101	Georgian Language for Foreigners 1	R	5	60/65	0/4/0/0	N/R								
GE102	Georgian Language for Foreigners 2	R	5	60/65	0/4/0/0	GE101								
GE501	Georgian Language for Foreigners 3	S	5	60/65	0/4/0/0	GE102								
GE502	Foundations of British Studies	S	5	30/95	1/0/1/0	N/R								
GE503	Georgian Mythology	S	5	45/80	2/0/1/0	N/R								
GE504	Practicum in Sociolinguistics	S	5	45/80	1/0/2/0	N/R								
GE506	Public Speaking	S	5	45/80	1/0/2/0	N/R								
GE507	Introduction to Psychology	S	5	60/65	2/0/2/0	N/R								
GE508	Principles of Macroeconomics	S	5	45/80	1/0/2/0	N/R								
GE509	Principles of Microeconomics	S	5	45/80	1/0/2/0	N/R								

Computer Science Elective courses															
CS501	Algorithmic Information Theory	SR	5	30/95	1/1/0/0	CS102, CS105, CS106									
CS502	Algorithms for Computational Topology	SR	5	30/95	1/1/0/0	CS102, CS105, CS106									
CS503	Introduction to Complexity Theory	SR	5	30/95	1/1/0/0	CS102, CS105, CS106									
CS506	ADO.NET technology - data access from NET application	SR	5	30/95	1/1/0/0	CS212, CS204									
CS508	Advanced course of Algorithms	SR	5	45/80	1/0/0/2	CS104 (71 points or more), CS105, CS106									
CS510	Programming with Java (Advanced Course)	SR	5	45/80	2/0/0/1	CS204, CS222 (minimal score of 60 points)									
CS511	Information Management	SR	5	45/80	2/0/1/0	CS101									
CS513	Genetic Algorithms	SR	5	45/80	1/1/0/1	CS102, CS106									
CS514	Neural Networks	SR	5	45/80	1/1/0/1	CS102, CS106									
CS515	Behavioral models of discrete systems	SR	5	45/80	1/2/0/0	CS205									
CS516	The Technologies of the Information Security	SR	5	45/80	1/1/1/0	CS102, CS103									
CS517	Cryptographic Algorithms	SR	5	45/80	1/1/1/0	MaTh202									
CS518	Information Theory and Coding	SR	5	45/80	1/2/0/0	MaTh202									
CS 519	Information Models and Systems	SR	5	45/80	1/0/1/1	CS105									
CS520	Network Technologies and Communications 2	SR	5	45/80	1/0/0/2	CS305									
CS521	Operating System Linux for Servers	SR	5	45/80	1/0/0/2	CS302									
CS536	Introduction To Scientific Modeling	SR	5	45/80	1/0/0/2	CS302									
CS538	Algorithms for Numerical Analysis		5	SR	1/0/0/2	CS302									

CS Program Course Mapping to Program SLOs.

CS Program Courses	PI 1			PI 2			PI 3			PI 4		PI 5		PI 6	
	P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P5.1	P5.2	P6.1	P6.2

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CS 301 Operations Research	H			H	H									H	
CS 302 Operating systems	H		M	H		H		H				H			
CS 303 Modeling and Simulation	M	H		H	H	H	H	H				H			H
CS 304 Web Technology		H		H	H	M								H	H
CS 305 Network Technologies and Communications	H	M		M	H	M	L		H					H	H
CS 401 Software Engineering	H			H	H	H	H							H	H
CS 402 Project Preparation			H				H	H		H	H	H	H		
CS 403 Intelligent Systems	H			H	H	H									
CS 404 Computer law and Ethics										H	H				
CS 405 Team Projects		H	H	H	H		H	H	H		H	H	H	H	H

H- High

M - Middle

L – Low

Necessary auxiliary conditions /resources for learning

The Department of Computer Science has nine open labs for students (rooms 407-415 and 417-419 in XI building) and one computer Lab (room 409) with Sisco research equipment. Open labs can be used by all university students including computer science students. There are 250 pieces of hardware including computers, projectors and printers in the department inventory list. Following is a list of the hardware and software in each open lab:

Room 407

Windows – 16 machines

Room 408

Windows – 16 machines

Room 409

Windows – 16 machines

Room 410

Windows - 16 machines

Room 411

Windows – 24 machines

Room 412-413

Windows – 31 machines

Room 414-415

Windows – 31 machines

Room 417

Windows – 16 machines

Room 418

Windows – 16 machines

Room 419

Windows – 16 machines

Overall 198 computers.

The following programs are running on all computers:

- **Operating systems Windows7 or Windows 10**
- **Operating system Linux;**
- **Windows Server 2016;**
- **Microsoft Office 2013, Office 2016;**
- **Visual Studio 2015, 2017;**
- **SQL Server 2012;**
- **Adobe Photoshop CS5;**
- **Adobe Dreamviewer;**
- **WAMP;**
- **Sublime;**
- **MATLAB;**
- **MATLAB & Simulink;**
- **WMware Workstation;**
- **Wolfram Mathematic 11;**
- **Microsoft Azure;**
- **Emu8086;**
- **Little Man Computer;**
- **CPU emulator;**
- **GNS3;**
- **Cisco Packet Tracer;**
- **Virtual Box 5.0;**
- **Sublime Text;**
- **Vamp Server;**
- **SPSS 20;**
- **Wire shark;**
- **Code::Blocks**
- **Shadow Defender;**
- **WinRAR;**
- **Adobe Reader.**

Program Heads CV

Manana Khachidze
<i>Education</i>
<input type="checkbox"/> Master's degree (equal) in Mathematical software of ACS, Tbilisi State University, Faculty of Cybernetic and Applied Mathematic , 1982-1987. <input type="checkbox"/> Doctor (PhD - Technological Science), Academic doctor (equal), Candidate of Technical Sciences. Georgian Technological University, 1998.
<i>Academic experience</i>
<input type="checkbox"/> I.Javakhishvili Tbilisi State University; Faculty of Exact and Natural Sciences, Computer Sciences Department, Professor, head of department, 2006 – up now, full time; <input type="checkbox"/> I.Javakhishvili Tbilisi State University; Faculty of Applied Mathematics and Computer Science, Senior teacher, 1999-2006, part time.
<i>Non-academic experience</i>
<input type="checkbox"/> A.Eliashvili Institute of Control Systems, Department of Machine Intelligence Problems; Senior scientist, 1988 -2010, full time (1988-2006), part time (2006-2010); <input type="checkbox"/> Rescue-Guide Service of Georgia Tourism Department, Information Department, Head, 2000 – 2003, part time; <input type="checkbox"/> Georgian Academy of Sciences, journal “Metsniereba da teqnika” (Science and Technology), IT Department, Head, 1993-1998 , part time.
<i>Current membership in professional organizations</i>
<input type="checkbox"/> Member of the TSU Senate (since 2010); <input type="checkbox"/> Member of Georgian Academy of Natural Sciences; <input type="checkbox"/> Adviser of Georgian Academy of Engineering; <input type="checkbox"/> Board Member of Georgian Speleologists Union; <input type="checkbox"/> Fellow of LEAD International (International Program - Leadership for Environment and Development) (1996-1998), www.lead.org . <input type="checkbox"/> ACM (Association for Computing Machinery) Professional Membership
<i>Service activities</i>
<input type="checkbox"/> Accreditation and authorization expert of National Center for Educational Quality Enhancement Georgia (since 2010); <input type="checkbox"/> Supervisor for master degree's students; <input type="checkbox"/> Member of master degree certification commission; <input type="checkbox"/> Reviewer of master thesis.

Briefly list the most important publications and presentations from the past five years

- M. Khachidze, M.Tsintsadze, M. Archuadze, G. Besiashvili. Complex system state generalized presentation based on concepts. Application of Information and Communication Technologies (AICT), 2014 IEEE 8th International Conference on, At Astana. DOI: 10.1109/ICAICT.2014.7035999
- M.khachidze, G.Besiashvili. Pollution and Pollutin Source Definition on the Basis of Data Conceptual Analysis. International Conference “TBILISI-SPRING-2014” - Nuclear Radiation Nanosensors and Nanosensory Systems.
- M.khachidze, G.Besiashvili, M. Archuadze, M.Cincadze. Sensor data Full Application Circle Planning International Conference “TBILISI-SPRING-2014-Nuclear Radiation Nanosensors and Nanosensory Systems. 2014
- T.Tatrishvili, N.Jalagonia, K. Gelashvili, M.Khachidze, E.Markarashvili, J.Aneli, O.Mukbaniani. Quantum Chemical calculations of Hydrosilylation Reaction of Oligomethylhydrosiloxane to Allyl Cyanide and Polymer Electrolyte Membranes on their Basis. Oxidation Communications 38, No1, 2015. pp. 13-24.
- M.khachidze, M.Tsintsadze, M. Archuadze, G.Besiashvili. Concept Pattern Based Text Classification System Development for Georgian Text Based Information Retrieval. Baltic J. Modern Computing, Vol. 3 (2015), No. 4, pp. 307–317.
- P.J. Kervalishvili, M. G. Khachidze, A. Chirakadze. Novel Achievements in Information Science and Technology as basis of Secure Society Sustainable Development. Series:NATO Science for Peace and Security Series - E: Human and Societal Dynamics. Ebook: Volume 120: Engaging the Public to Fight the Consequences of Terrorism and Disasters. 2015. pp. 27-39.
- P.J. Kervalishvili, M.G. Khachidze. Quantum Approach to Sensory Information Processing for Modeling of Disasters. Book - NATO Science for Peace and Security, Series B: Physics and Biophysics. Nuclear Radiation Nanosensors and Nanosensory Systems. 2016, pp.1-8.
- M.khachidze, M.Tsintsadze, M. Archuadze. Natural Language Processing (NLP) Based Instrument for Classification of Free Text Medical Records. BioMed Research International. Volume 2016 (2016), Article ID 8313454, 10 pages.
<http://dx.doi.org/10.1155/2016/8313454>

Briefly list the most recent professional development activities

- 2016 - I.Javakhishvili Tbilisi State University. Document Classification Engine Model for Georgian Information. Supervisor.
- 2015.03 – 2015.12 - I.Javakhishvili Tbilisi State University. Georgian Documents Classification Methods. Supervisor
- 2009 –2010 - NATO "Science for Peace and Security", HSD.EAP.CLG. 983694. "Information, Synergy and Security". Team Leader.
- 2009-2011. GNSF, # 1-7/73; Creation of Modeling Software of Molecular Systems – Materials of Molecular Nanotechnology and Spin electronic. Coordinator.
- 2005-2006, INTAS Nr 04-77-7067. Medical Image processing – Theoretical Bases and Technological Aspects. Team Leader.
- Participation in Erasmus+ Program
- “Mobility For Double Diploma” - Erasmus+ - International Credit Mobility. Polytechnic Institute of Bragança (IPB), Portugal, 28 February – 12 March 2016.

- ☐ International Week for Academic and Administrative Staff. Bialystok University of Technology , 15 -19 May 2017, Białystok, Poland.
- ☐ Academic and Administrative Staff mobility. 14-16 June, 2017. INSA Rennes, member of the INSA Group, France

Magda Tsintsadze	
<i>Education</i>	
Candidate of Phys-math Sciences (Math.Cybernetics), TSU, Georgia, 2006 Post-Doctoral research, ATEI of Thessaloniki, Computer Science, Greece, 2008-2009	
<i>Academic experience</i>	
<input type="checkbox"/> 2017-current: San Diego State University Georgia, Invited Professor (part time) <input type="checkbox"/> 2009- to present : Associate Professor at Iv. Javakhishvili Tbilisi State University/ Department of Exact and Natural Sciences (Full Time) <input type="checkbox"/> 2015: Invited Lecturer for summer course teaching - The University of A Coruña, Spain <input type="checkbox"/> 2014: Invited Lecturer for short course teaching (graduate level) Department of Computer Sciences (Infogeolog), Lodz University, Poland <input type="checkbox"/> 2011-2012: Faculty-associate at Computer Science Graduate School of SUNY Stony Brook, NY, USA <input type="checkbox"/> 2010-2011 – New Gelati American Academy - Invited lecturer for Calculus and Elementary Mathematics; Part Time <input type="checkbox"/> 2006-2009: Assistant Professor at Iv. Javakhishvili Tbilisi State University/ Department of Exact and Natural Sciences <input type="checkbox"/> 2005, 2006(June-August) – Dortmund University/ Faculty of Informatics -Guest Scientist (PhD fellow)	
<i>Non-academic experience</i>	
The Parliament of Georgia Senior Specialist at the Department of Informatics, 2002- 2009, Full Time	
<i>Certifications or professional registrations</i>	
<input type="checkbox"/> Certificate in Web Designing (Shriram Institute of Business and Information Technologies, New Delhi, India) <input type="checkbox"/> Certificate -English language for Academic Purposes – CELOP, Boston University, USA	
<i>Current membership in professional organizations</i>	
Affiliate Member of AMS, Member of ACM and AAAI	
<i>Honors and awards</i>	
<input type="checkbox"/> 2005- INTAS Grant for YS <input type="checkbox"/> 2008- President Grant for Young Scientists <input type="checkbox"/> 2008-2009: Erasmus Mundus Post-Doctoral Fellowship grant <input type="checkbox"/> 2011-2012 - Fulbright Faculty development Grantee <input type="checkbox"/> 2014- Poland Scientific Foundation Grantee ((POLK-04,03.00-00-050/12) <input type="checkbox"/> 2015-Georgisn High Education Component (MCC/MCA/San Diego)	

<ul style="list-style-type: none"> <input type="checkbox"/> 2013-2016 - Shota Rustaveli National Foundation Grant for Fundamental Research (Key Researcher <input type="checkbox"/> 2015-2016 - Shota Rustaveli National Foundation Grant for Summer School (Main Personnel)
<i>Service activities</i>
<ul style="list-style-type: none"> <input type="checkbox"/> 2017- current : Abet Accreditation Team Member (Coordinator) <input type="checkbox"/> 2016 - Iv.Javakhishvili Tbilisi State University. Document Classification Engine Model for Georgian Information. Coordinator. <input type="checkbox"/> 2015.03 – 2015.12 - Iv.Javakhishvili Tbilisi State University. Georgian Documents Classification Methods. Coordinator <input type="checkbox"/> Reviewer - Current Journal of Applied Science and Technology, Asian Journal of research in Computer Science, editorial board member of “The research Journal of Computer Science and Information Technology” <input type="checkbox"/> Supervisor for master degree’s students; <input type="checkbox"/> Member of master degree certification commission; <input type="checkbox"/> Reviewer of master thesis.
<i>Briefly list the most important publications and presentations from the past five years</i>
<ul style="list-style-type: none"> <input type="checkbox"/> M.Tsintsadze - “Shapely Entropy Generalization for Fuzzy Measures Used in Uncertain Information Presentation”, CEWIT 2013, SUNY Stony Brook <input type="checkbox"/> M.Khachidze, M.Tsintsadze, M. Archuadze, G. Besiashvili. Complex system state generalized presentation based on concepts. Application of Information and Communication Technologies (AICT), 2014 IEEE 8th International Conference on, At Astana. DOI: 10.1109/ICAICT.2014.7035999 <input type="checkbox"/> Magda Tsintsadze , Nana Odishelidze - On one contact problem of plane elasticity theory with partially unknown boundary- PAMM Volume 15, Issue 1, October 2015, Pages: 235–236, DOI: 10.1002/pamm.201510108 <input type="checkbox"/> M.Khachidze, M.Tsintsadze, M. Archuadze. Natural Language Processing (NLP) Based Instrument for Classification of Free Text Medical Records. BioMed Research International. Volume 2016 (2016), Article ID 8313454, 10 pages. http://dx.doi.org/10.1155/2016/8313454
<i>Briefly list the most recent professional development activities</i>
<ul style="list-style-type: none"> <input type="checkbox"/> 2017: Participation in Erasmus+ Program : Academic and Administrative Staff mobility. INSA Rennes, member of the INSA Group, France <input type="checkbox"/> 2015: Invited Lecturer for summer course teaching - The University of A Coruña, Spain <input type="checkbox"/> 2015: Fellow – Volunteer at San Diego State University , USA <input type="checkbox"/> 2014: Invited Lecturer for short course teaching (graduate level) Department of Computer Sciences (Infogeolog), Lodz University, Poland <input type="checkbox"/> 2011-2012: Faculty-associate at Computer Science Graduate School of SUNY Stony Brook, NY, USA

