

Curriculum Vitae

07/08/2016

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J. ANTIDZE

Curriculum Vitae

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Post occupied and scientific grades: Researcher-Scientist of I.Vekua Scientific Institute of Applied Mathematics, Tbilisi State University, Full Professor of Georgian Technical University, PhD, Senior Researcher in Software Engineering.

Languages: English, French, Georgian (native) and Russian.

Education and Qualification

I graduated from Tbilisi State University (TSU) with a degree in mathematics and mechanics, in 1958. Then, I continued postgraduate studies at the Academy of Sciences of USSR with the specialty of software engineering. In 1961 terminated the postgraduate studies and began to work at TSU at the chair of Numeric Analysis and Computer Technique as an assistant. In 1966 I was awarded PhD degree in mathematics. Since 1968, I have been working at I.Vekua Scientific Institute of Applied Mathematics (VIAM). Firstly, I worked as an assistant of the head of the Programming Department and since 1973 as a head of the Systemic Programming Department till 2006. In 2011, I was Director of Scientific Institute of Mathematics and Information Technology, Sokhumi State University. Since 2016, I am a director of the scientific institute of informatics of Sokhumi state university. In 1978, I received the qualification of the Senior Scientist in Software development. In 1983-87, I was in mission at Annaba State University (Algeria). There I worked at the faculty of Computer Science as a professor (maitre de conference). I have given lectures (in French) on the art of programming using WAX computers and on the theory of formal grammar and compilation. There, by my supervision were fulfilled 10 master's works and two PhD dissertations. Three times, in 1991, 1995 and 2003, I was in scientific mission at Saarland University (Germany).

Pedagogical and scientific activities

Since 1961, I have been giving lectures on the theory and practice of programming at TSU. I gave lectures at the faculty of Exact and Natural Sciences. I have been giving lectures using many programming languages, such as ALGOL-61, ALGOL-68, FORTRAN, PASCAL, DELPHI, BASIC, PL/1, TURBOPROLOG, VPROLOG, C, C++, C#, PERL, OZ, Alice, Haskell and so on. I also have used modular and object oriented programming, graphical interfaces, database theory and practice with corresponding languages - ACCESS, FOXPRO, DBS and SQL. I have been using in practical activity the following operational systems: DOS, WINDOWS, NT4 and UNIX (in particular, LINUX). I have been giving lectures on Internet application and Internet programming.

By my supervision and participation many projects have been realized. Among them: Experimental machine translation from the Georgian into Russian (1966); Automated system of the financial and management activity of TSU (using PL/1 language and a database managing own system), 1975; PL/1 interactive translator for БЭСМ-6 computer (1978); Package of programs for solutions of spatial problems of solid mechanics (1980) charged by GNTK of USSR, Automated system for construction of teaching courses and their application (the system is composed on TURBOPROLOG) in 1990; Computerized publishing house of TSU (1996); Constructed and published on Internet the database on activity of TSU (Grant of EURASIA Foundation, 1997); Constructed and published on Internet electronic dictionaries (English-Georgian - 24000 entries Grant of Soros Foundation; German-Georgian, 23000 entries; multilingual dictionary of mathematical terms, 2400 entries; German-Georgian tourist guide), 1990-2000; System of programs of morphological and syntactical analysis of Georgian texts, 1990-2006. 2006-2009, I was a leader of TSU team of the project “Formal practical verification of programs, using automated reasoning and model checking”, financed by INTAS. Also, Moscow State University, Kiev State University, Institute of Cybernetics of Kiev, Timisoara University (Romania) and Linz University (Austria) participate in the project. 2013-2015, I was a scientific head of the TSU project “ A Pattern Calculus with Hedge variables ” financed by Rustaveli National Scientific Foundation. Now, I am a scientific head of the new TSU project “LCP(HC): foundation, implementation, applications” financed by Rustaveli National Scientific Foundation.

I have more than 100 published scientific works on theoretical and practical problems of programming; I have been participated in many international scientific conferences as a honorary chair or co-chair of conferences(see <http://fpv.science.tsu.ge>). For example: 1-2 June 2013, I was co-chair of 3 international conferences in Paris, with my keynote speech, organized by The International Association of Computer Science and Information Technologies (IACSIT); 1-2 May 2014, I was a honorary chair of 3 international conference in Singapore, organized by IACSIT; 17-18 September 2014, I was a co-chair of 3 international conference in Paris, organized by IACSIT;. In 2015, I am invited in many conferences as a honorary chair, co-chair or program committee member. By my supervision seven postgraduate students have done PhD dissertations in Software Engineering. Many of them are working abroad at scientific institutes. I am: an expert of UNESCO in informatics; a senior member of IACSIT; a redactor-in-chief of international journal - Lecture Notes on Software Engineering (LNSE); a redactor of the international journal on software engineering, American Science and Education Publishing; a member of scientific committee (International Academy of Engineers); a member of the Scientific Council of I.Vekua Scientific Institute of Applied Mathematics, TSU. J. Antidze was awarded: by the golden medal on 100 year birthday of V.I. Lenin, in TSU, 1970; by the certificate of TSU, 1999; by the Medal of TSU, 2016.

Publications

1. Irakli Kardava, Jemal Antidze and Nana Gulua - Solving the Problem of the Accents for Speech Recognition Systems, International Journal of Signal Processing Systems, volume 4, number 3, pages 235-238, June 2016, USA
2. J. Antidze. Data Structures for One Approach of Georgian Texts Morphological and Syntactic Analyses, Seminar of I.Vekua Scientific Institute of Applied Mathematics, TSU, 25 May 2016.
3. Irakli Kardava, Krzysztof Tadzysak , Nana Gulua, Jemal Antidze, and Stefan Jurga, The Software for Automatic Creation of the Formal Grammars Using by Speech Recognition, Computer Vision, Editable Text Conversion Systems and Some New Functions, 2016 8th International Conference on Graphic and Image Processing (ICGIP 2016), 29-31 October, 2016, Tokyo, Japan, accepted for presentation.
4. J. Antidze, N. Gulua, I. Kardava, Solving the Problem of the Accents for Speech Recognition Systems, IACSIT, 2015 5th International Conference on Computer Communication and Management, Rome, Italy, 18-19 May, 2015.
5. .Aminur Rahman, Jemal Antidze, redactors, 2015 International Conference on Network security & Computer Science (ICNSCS-15) International Conference on Mechanical and Industrial Engineering (ICMAIE'2015) 2015 International

Conference on Innovations in Chemical and Agricultural Engineering (ICICAE'2015), Organized By: International Academy of Engineers (IA-E), www.ia-e.org, Kuala Lumpur (Malaysia), ISBN 978-93-84468-16-3

6. J. Antidze. One approach on programming of some large volume projects, Proceedings of 2015 Tbilisi international conference on computer science and applied mathematics, Nekeri, Tbilisi, March 2015, pages 49-52.
7. J. Antidze, N. Putkaradze, Redactors, 2015 Tbilisi International Conference on Computer Science and Applied mathematics Conference's Proceedings, Nekeri, Tbilisi, Georgia, ISBN 978-9941-457-15-9, pages 284.
8. J. Antidze. One approach of establishment natural language sentence semantic correctness, XXIX Enlarged session of TSU I. Vekua scientific institute of applied mathematics seminars, Tbilisi, 22-23 April, 2015.
9. J. Antidze, N. Gulua, I. Kardava, Solving the Problem of the Accents for Speech Recognition Systems, IACSIT, 2015 5th International Conference on Computer Communication and Management, Rome, Italy, 18-19 May, 2015.
10. Jemal Antidze, Nancy Y. Liu, Proceedings of the SCIEI International Conference on Software Engineering (ICOSE 2014), Singapore, 1 January 2015; Publisher IACSIT, Singapore, ISSN 2301-3559, DOI identifier 10.7763/LNSE.2015.v3.179 c 2015 IACCSIT
11. J. Antidze, N. Gulua, I. Kardava. The software for composition of some natural language words, Lecture Notes on Software Engineering, vol.1, #3, August 2013, Singapore, pages 295-297, <http://www.lnse.org>
12. J. Antidze. software tools for computer modeling of a natural language texts, keynote speech on 2013 2nd International Conference on Software and Computer Applications (ICSCA 2013), 1-2 June 2013, Paris (France), <http://www.icsca.org>.
13. J. Antidze. Automatic Recognition of Morphological Structure for Given Natural Language Word-form, keynote speech on 2013 5th International Conference on Software Technology and Engineering, 28-29 September 2013, Bandar Seri Begawan (Brunei), <http://www.icste.org>.
14. J. Antidze. Programming means for modeling of natural and formal languages, Second International Conference "Modern Problems in Applied Mathematics", 4-7 September 2013, TSU, Tbilisi (Georgia).
15. J. Antidze. Software for Modeling of Natural Language Texts, Georgian Parliament, 08 July, 2013, Kutaisi (Georgia), Materials of the conference - "Georgian Language – Challenge of 21-eme Century", in Georgian, pages 71-80.
16. J. Antidze, N. Gulua. Software Tools for Some Natural Language Texts Computer Processing, International Journal of Computer Technology and Application, David Publishing Company, vol. 3, #3, 2012, USA, Impact Factor=3.
17. J. Antidze, N. Gulua, I. Kardava. The Software for Composing of Georgian Words, Transactions of The International Scientific Conference Dedicated to the 90 Anniversary of Georgian Technical University, Pages 367-371, Tbilisi, Georgia, 19-21 September, 2012.
18. ჯემალ ანთიძე, ნანა გულუა, ირაკლი ქარდავა.
სპეციალური სისტემა ქართული ენის კომპიუტერული სწავლებისა და ქართული ტექსტების კომპიუტერული დამუშავებისათვის, საქართველოს საპატრიარქოს წმიდა ანდრია პირველწოდებულის სახელობის ქართული უნივერსიტეტი, ცხუმ-აფხაზეთის მეცნიერებათა აკადემია, მათემატიკოსთა სამეცნიერო კონფერენცია მიძღვნილი პროფესორ რევაზ აბსავას ხსოვნისადმი, 9-10 თებერვალი, 2012.
19. J. Antidze, I. Qardava. Computer Composition of the Georgian word-form by a stem and morphological categories, XXV enlarged session of I. Vekua Institute of Applied Mathematics' seminar, 20-21 April, 2011.
20. J. Antidze, I. Kardava. Morphological Synthesis of Georgian Words, Proceedings of The Sixth International Symposium on Kartvelian Studies, Tbilisi, 14-18, XI, 2011.
21. J. Antidze, I. Kardava. Computer Composition of all Georgian Word-Forms for Given Lexical Unit, Second International Conference of the Georgian Mathematician's Union, Batumi, 2011.
http://rmi.ge/~gmu/II_Annual_Conference/comming/Abstracts_Batumi_2011_Final.pdf
22. J. Antidze, N. Gulua. Generalized Tools for Computer Realization of Natural Language Models, Proceedings of "The Eleventh International Conference on Pattern Recognition and Information Processing", pages 362-365, Minsk, Belarus, 2011.
23. J. Antidze, N. Gulua. Automatic Semantic Analysis of Georgian Language Phrases, accepted to publish in "Proceedings of Sokhumi State University", 2011.
24. J. Antidze. Using Rule-Based Programming for Natural Language texts' Processing, XXV enlarged session of I. Vekua Institute of Applied Mathematics' seminar, 20-21 April, 2011
25. J. Antidze, I. Qardava. Synthesis of Georgian Words. XXV enlarged session of I. Vekua Institute of Applied Mathematics' seminar, 20-21 April, 2011
26. J. Antidze, N. Gulua, D. Meliqishvili. Towards the Use of Rule-Based Programming for Computer Morphological, Syntactic and Semantic Analyses of the Georgian Texts, International Conference - The Georgian Language and Modern Technologies - 2011, Tbilisi, Georgia, 2011, pp. 27-29
27. J. Antidze, N. Gulua. Software for Processing of Natural Language Texts, Proceedings of Third International Conference "Problems of Cybernetics and Informatics", Volume 1, pages 114-117, Baku, 2010. <http://fpv.science.tsu.ge/baku.mht>

28. J. Antidze, N. Gulua. Software tools for morphological and syntactic analysis of natural language and its application for semantic analysis, 1st international conference "Information and Computational Technologies" organized by N. Muskhelishvili Institute of Computational Mathematics and St. Andrew the First Called Georgian University of the Patriarchy of Georgia, 2 – 6 May, Tbilisi, 2010
29. J. Antidze, N. Gulua. On complete machine translation of text from Georgian Language, Georgian Scientific Electronic Journals, Computer Science and Telecommunications, N1, 2010. http://gesj.internet-academy.org.ge/ge/list_artic_ge.php?b_sec=comp&issue=2010_01.
30. J. Antidze, N. Gulua. Methods of composition of semantic networks and their application for natural language texts' analysis, XXIV enlarged session of I. Vekua Institute of Applied Mathematics' seminar, 21-23 April, 2010
31. J. Antidze, N. Gulua. On Complete Computer Morphological and Syntactic Analysis of Georgian Texts, Proceedings of the Seventh International Conference Internet – Education – Science, vol. 1(11), pages 214-217, Vynnytsia, Ukraine, 2010. <http://fpv.science.tsu.ge/vinitsa1.mht>
32. J. Antidze, N. Gulua. Methods for composition of knowledge bases and their application, Scientific conference of Sokhumi State University's professors, Tbilisi, 2010.
33. J. Antidze. Application of Constraints for Natural Language Texts Computer Processing, I International Conference of Georgian Mathematicians Union, Batumi, Georgia, 12-19 September, 2010. http://www.rmi.acnet.ge/~gmu/I_Annual_Conference/GMU_Book_Abstr.pdf
34. J. Antidze, N. Gulua. Syntactic Models of Georgian Texts, Journal "Optoelectronic Information-Power Technologies", #2(20), pages 92-97, Vynnytsia, Ukraine, 2010.
35. J. Antidze. Theory of formal grammars and languages, computer modeling of natural languages, Nakeri, Tbilisi, 2009, 254 pages.
36. J. Antidze, N. Gulua. Machine Translation from Georgian Language into Another, Proceedings of I. Vekua Institute of Applied Mathematics, vol. 57, 2007, Tbilisi, pp. 21-34. <http://www.viam.science.tsu/publish/proceedings/vol57/tom57.htm>
37. J. Antidze, Kh. Rukhaia, D. Mishelashvili, L. Tibua. Automatic Translation of Theorem- Proving Text from MTSR into Natural Language Text, Reports of Enlarged Session of Seminar of VIAM TSU, vol.23, 2009.
38. J. Antidze, Ts. Gabeskiria, G. Datashvili, G. Jaiani, I. Nadiradze. Electronic English-Georgian-Russian-German-French-Italian Glossary of Mathematical Terms, Report of International Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Institute of Linguistics of Georgian Academy of Sciences, Tbilisi, 2009. http://www.ice.ge/conferenciebi/Conf_Fs.html
39. J. Antidze, N. Gulua, D. Mishelashvili, L. Nukradze. On Complete Computer Morphological and Syntactic Analysis of Georgian Texts, Report of International Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Institute of Linguistics of Georgian Academy of Sciences, Tbilisi, 2009. http://www.ice.ge/conferenciebi/Conf_Fs.html
40. J. Antidze, N. Gulua. On Complete Machine Translation of Text from Georgian Language, Internet Academy, Georgian Electronic Scientific Journals: Computer Sciences and Telecommunications 2009 (in English). http://gesj.internet-academy.org.ge/ge/default_ge.php
41. J. Antidze, Kh. Rukhaia, D. Mishelashvili, L. Tibua. Translation of Theorem-Proving Text from MTSR into Natural Language Text, Results and Examples. Workshop of INTAS Project, 26-28 May, 2009, Tbilisi University <http://www.risc.uni-linz.ac.at/projects/intas/Tbilisi/index.html>
42. J. Antidze, Kh. Rukhaia, D. Mishelashvili, L. Tibua. Translation of Theorem- Proving text from MTSR into Natural Language text. Workshop of INTAS Project, 26-28 February 2009, Linz University (Austria). <http://www.risc.uni-linz.ac.at/projects/intas/Linz/index.html>
43. Ts. Gabeskiria, G. Jaiani, J. Antidze, G. Datashvili. English-Georgian-Russian-German-French-Italian Glossary of Mathematical Terms, Lecture Notes of TICMI, vol.6, TSU, 2005 (Georgian, 230 pages) <http://www.viam.science.tsu.ge/others/ticmi/lnt/lecturen.htm>
44. J. Antidze, Kh. Rukhaia, D. Mishelashvili, L. Tibua. Automatic Translation of Theorem- Proving Text from MTSR into Natural Language Text, Report of XXXIII Enlarged Session of Seminar of VIAM TSU, 22-24 April, 2009, Tbilisi <http://www.viam.science.tsu.ge/news.htm>
45. J. Antidze, N. Gulua. Machine Translation from Georgian Language, International Conference on Modern Problems in Applied Mathematics, VIAM TSU, 7-9 October, 2008, Tbilisi <http://www.viam.science.tsu.ge/news.htm>
46. J. Antidze. Special Language with Constraints, its Realization and Application for Morphological and Syntactic Analysis of Georgian Texts, International Conference in Artificial Intelligence and Symbolic Computation(AISC), Birmingham University, 30 July-01 August, 2008. <http://events.cs.bham.ac.uk/cicm08/aisc08/programme.php>
47. J. Antidze, N. Gulua. On Full Morphological, Syntactic and Partly Semantic Analysis of Georgian Language and Machine Translation from Georgian Language. Report of Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Institute of Linguistics of Georgian Academy of Sciences, Tbilisi, 2008. http://www.ice.ge/conferenciebi/Conf_Fs.html
<http://fpv.science.tsu.ge/lingv-2008.mht>
48. J. Antidze, D. Mishelashvili. Morphological and Syntactic Analysis of Natural Language Texts, Internet Academy, Georgian Electronic Scientific Journals: Computer Sciences and Telecommunications, 1(12), 2007, IISN 1512-1232.

(in English).

http://gesj.internet-academy.org.ge/gesj_articles/1345.pdf

49. J.Antidze. Automatic Processing of Natural Language Texts with Presentation of Working Programs. Report of Workshop of INTAS grant, N 05 008 100000 8144, Moscow State University, Moscow, August, 2007.
50. J.Antidze, S.Shengelia. Automatic Construction of Georgian Stems' Dictionary. Report of Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Institute of Linguistics of Georgian Academy of Sciences, Tbilisi, 2007.

http://www.ice.ge/conferenciebi/Conf_Fs.html

51. J.Antidze. Formal Grammars and its Application for Georgian Texts Processing, Reports of Vienna-Tbilisi II International Summer School in Logics and Language, Invited Speaker, TSU, September, 2006.

<http://www.logic.at/tbilisi06>

52. J.Antidze, D.Mishelashvili. Automatic Processing of Georgian Texts, Using Formal Grammar Parsing. Report of Workshop of INTAS grant, N 05 008 1000008 8144, Timisuaara (Rumania), December, 2006.

<http://www.risc.uni-linz.ac.at/projects/intas/Timisoara/>

53. J. Antidze, D. Mishelashvili. Software Tools for Morphological and Syntactic Analysis of Natural Language Texts, Report of VI Tbilisi International Symposium “Language, Logics and Computation”, Batumi, September, 2006.
<http://fpv.science.tsu.ge/pub1.mht>
54. J.Antidze, N.Gulua, D.Melikishvili, D.Mishelashvili, L.Nukradze, S.Shengelia. System of Computer Morphology of Georgian Language, Reports of Enlarged Session of the Seminar of IAM TSU, 2006.
55. J.Antidze, N.Gulua, D.Melikishvili, D.Mishelashvili, L.Nukradze. Application of Instrumental Tools for Georgian Texts Computer Processing, Report of Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Institute of Linguistics of Georgian Academy of Sciences, Tbilisi, 2006.
http://www.ice.ge/conferenciebi/Conf_Fs.html
56. J. Antidze, N. Gulua. On One Approach to Automatic Semantic Analysis of Phrases of a Natural Language, Bulletin of The Georgian Academy of Sciences, vol.174, 1, 2006.
<http://fpv.science.tsu.ge/pub5.mht>
57. J. Antidze, N. Gulua. On Semantic Analysis of a Natural Language Phrases. Reports of Enlarged Session of the Seminar of IAM TSU, 2005.
http://www.viam.science.tsu.ge/enl_ses/vol20_1-3/vol20.htm
58. J.Antidze, N.Gulua. Application of Constraints for Georgian Texts Semantic Analysis by Computer. Report of IV Georgian Mathematician's Congress, Tbilisi, 2005.
<http://fpv.science.tsu.ge/pub7.mht>
59. J. Antidze, D. Mishelashvili. Software Tools for Morphological and Syntactic Analysis of Georgian Texts, Reports of Enlarged Session of the Seminar of IAM TSU, 2005
[viam.science.tsu.ge/enl_ses/vol20_1-3/vol20.htm](http://www.viam.science.tsu.ge/enl_ses/vol20_1-3/vol20.htm)
60. J. Antidze, D. Mishelashvili. Software Tools for Morphological and Syntactic Analysis of Some Natural Language's texts, Report of Symposium – Natural Language Processing, Georgian Language and Computer Technology, Institute of Linguistics of Georgian Academy of Sciences, Tbilisi, 2005.
http://www.ice.ge/conferenciebi/Conf_Fs.html
61. J. Antidze, D. Melikishvili, D. Mishelashvili. Software Tools for Morphological and Syntactic Analysis of Georgian Texts, Reports of Enlarged Session of the Seminar of IAM TSU, 2005.
http://www.viam.science.tsu.ge/enl_ses/vol20.htm <http://fpv.science.tsu.ge/pub10.mht>
62. M. Nadir, J. Antidze, On the numerical solution of singular integral equations using Sanikidzes approximation, Comp Met in Sc Tech. 10(1), 83-89 (2004).
63. J.Antidze. OZ Programming Language – Syntactic Description with Comment, TSU, 2002 (in Georgian).
64. J. Antidze. CGI Programming, Tutorial, TSU, 2006 (in Georgian). <http://fpv.science.tsu.ge/pub2.mht>
65. J. Antidze, D.Mishelashvili. Recognition of Georgian Word-forms and Their Morphological Categories by Computer, Reports of Enlarged Session of the Seminar of IAM TSU, vol.19, 2004.
http://www.viam.science.tsu.ge/enl_ses/vol19_1/vol19.htm
66. J.Antidze, D.Melikishvili, D.Mishelashvili. Computer Morphology of Georgian Language. Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Tbilisi, 2004.
http://www.ice.ge/conferenciebi/Conf_Fs.html
67. J. Antidze, D.Mishelashvili. Recognition of Georgian Word-forms and Their Morphological Categories by Computer, Reports of Enlarged Session of the Seminar of IAM TSU, vol.19, 2004.
http://www.viam.science.tsu.ge/enl_ses/vol19_1/vol19.htm

68. J.Antidze, D.Mishelashvili. Morphological Analyzer of a Natural Language. Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Tbilisi, 2004. <http://fpv.science.tsu.ge/pub13.mht>
http://www.ice.ge/conferenciebi/Conf_Fs.html
69. J.Antidze, D.Mishelashvili. Instrumental tools for Computer Processing of Georgian Texts, Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Tbilisi, 2003.
http://www.ice.ge/conferenciebi/Conf_Fs.html
70. J. Antidze, S. Shengelia. On Syntactic and Semantic Representation of Structure of Georgian Sentences, Symposium – Natural Language Processing, Georgian Language and Computer Technologies, Tbilisi, 2003.
<http://fpv.science.tsu.ge/pub15.mht>
71. J.Antidze, N.Gulua, D.Mishelashvili. Syntactical analysis of Georgian texts, Fourth Tbilisi symposium Language, Logic and Computation, TSU, 2001. <http://fpv.science.tsu.ge/pub17.mht>
72. J.Antidze, N. Gulua, D.Mishelashvili. Syntactical and semantic analysis of Georgian texts, Georgian mathematicians' congress, Tbilisi, 2001.
73. J.Antidze, N. Gulua. On selection of Georgian texts computer analysis formalism, Bulletin of The Georgian Academy of Sciences, 162, N2, 2000.
74. J.Antidze, N. Gulua. On Computer Syntactic Analysis of Georgian Phrases, Kuban State University. Human Sciences: Dynamics of objects and Methods, Part I, Krasnodar, 1999(in Russian).
75. J. Antidze, N. Gulua. Analysis of Georgian texts for construction of a teaching system, Reports of enlarged session of the seminar of IAM TSU, vol.13, N4, 1998.
76. J.Antidze, N. Gulua. On One Approach to Construct a Teaching System, Communications of Sokhumi Branch of TSU, N1, 1998.
77. J.Antidze. Montague's grammar of enlarged fragment of Georgian language, Tbilisi international symposium "Language, Logic and computation", 1997.
78. J.Antidze. Program for Georgian verbs decomposition in morphemes, Report of I Georgian mathematicians' congress, Tbilisi, 1994 (in Georgian).
79. J.Antidze. Montague's Grammar for fragment of Georgian language, Report of I Georgian mathematicians' congress, Tbilisi, 1994 (in Georgian).
80. J.Antidze. Instrumental tool for the composition of automatic teaching courses, Report of the contract N3/91 IAM TSU, 1991 (in Russian, co-author).
81. J.Antidze. Etude de la precision d'une phase technologique d'usinage, Universite de l'Annaba, Algerie, 1984 (in French, co-author).
82. J.Antidze. About interactive translator from PL/1 for BESM-6 computer, IV Soviet Union's conference - Interactive systems, Tbilisi, 1982 (in Russian, co-author).
83. J.Antidze. Package of applicable programs for calculation of spatial construction of solid mechanics, part 1, IAM TSU, 1982 (in Russian, co-author).
84. J.Antidze. Package of applicable programs for calculation of spatial construction of solid mechanics, part 2, IAM TSU, 1982 (in Russian, co-author).
85. J.Antidze. Calculation of salaries, "Investigation of problems of automatic control systems", IAM TSU, 1981 (in Russian, co-author).
86. J.Antidze. On the automation of control process of applicable programs packages, Proceedings on programming, issue 3, IAM TSU, 1980 (in Russian, co-author).
87. J.Antidze. On one variant of composition of the package of applicable programs for BESM-6 computer, Proceedings on programming, issue 3, IAM TSU, 1980(in Russian, co-author).
88. J.Antidze. On automation of treatment of questionnaires, Proceedings on programming, issue 3, IAM TSU, 1980 (in Russian, co-author).
89. J.Antidze. About one variant of applicable programs packages composition for BESM-6 computer, Proceedings on programming, issue 3, IAM TSU, 1980 (in Russian, co-author).
90. J.Antidze. Package of programs for automation of management, financial and material-technical activity of university, Reports theses of the conference "Automatic control systems", Tbilisi, 1980 (co-author).
91. J.Antidze. Program for numerical solution of singular integral equation, "Numerical methods for resolution of

- mathematical physics problems”, IAM TSU, 1975 (in Russian, coauthor).
92. J.Antidze. Program for scheme composing of integrated data processing, Proceedings on programming, issue 1, IAM TSU, 1975 (in Russian, co-author).
 93. J.Antidze. Numerical resolution of water distribution to users by computer, Proceedings on programming, issue 1, IAM TSU, 1975(in Russian, co-author).
 94. J.Antidze. Application of computers in designing process of automatic systems of economics direction organs, Reports theses of IAM TSU seminar, 1973 (in Russian, co-author).
 95. J.Antidze. About automation of design process of automatic control systems, Conference “Big Information Systems”, Odessa, 1973 (in Russian, co-author).
 96. J.Antidze. Numerical realization of boundary value problem’s solutions for equations of elasticity theory, “Investigation of equations of mathematical physics”, IAM TSU, 1972 (in Russian, co-author).
 97. J.Antidze. About the project of construction of the compiler for PL/1 language, Theses of III scientific session of The Institute of Applied Mathematics of Tbilisi State University (IAM TSU), 1971 (in Russian, co-author).
 98. J.Antidze. Construction of scheme of integrated data processing by computer, Theses of III scientific session of IAM TSU, 1971 (in Russian, co-author).
 99. J.Antidze. On the Project of Construction of Compiler from PL/1, Third Scientific Session of the Institute of Applied Mathematics of Tbilisi State University, 1971 (in Russian).
 100. J.Antidze, Z.Munjishvili. Composition of Graph of Integrated Treatment of Data by Computer, Third Scientific Session of the Institute of Applied Mathematics of Tbilisi State University, 1971 (in Russian).
 101. J.Antidze. Numerical realization of the variational-differential method for Dirichlet’s problem, Bulletin of The Georgian Academy of Sciences, 57, N3, 1970 (in Russian, co-author).
 102. J.Antidze. Software for automatic synthesis of integrated data processing, Report of the conference of The State plan of USSR, 1970, Tbilisi (in Russian, co-author).
 103. J. Antidze. On Experimental Algorithm of Machine Translation from Georgian into Russian, Thesis of Ph.D Dissertation, TSU, 1966 (in Russian).
 104. J.Antidze. The organization for choice of information about asked word, Scientific-Technical Information, N2, 1964, VINITI, Moscow (in Russian).
 105. J.Antidze, G.Ramishvili. On syntactic analysis of phrases for machine translation from Georgian language, Proceedings of the Tbilisi State University, volume 98, 1964 (in Russian).
 106. J.Antidze. The structure of dictionary for machine translation from Georgian language, Bulletin of The Georgian Academy of Sciences, XXXI:2, 1963 (in Georgian).
 107. J.Antidze. The arrangement for finding word in memory of computers, Bulletin of The Georgian Academy of Sciences, XXXII:2, 1963 (in Georgian).

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