

**Prof. Dr. Gia Surguladze**  
**Georgian Technical University (Tbilisi)**

➤ **BOOKS**

- Hybrid Software Technologies and Data Engineering for Management Information Systems. ISBN 978-9941-20-790-7. Monogr., GTU, Tbilisi, 2017. -1001 p.
- Visual Programming (C#.NET, Workflow Foundation.NET). ISBN 978-9941-20-880-5. GTU, Tbilisi, 2017. -232 p.
- Network Architecture for Business. ISBN 978-9941-0-9842-0. GTU, Tbilisi, 2017. -269 p.
- Introduction to NoSQL Databases. ISBN 978-9941-0-9642-6. GTU, Tbilisi, 2017. -152 p.
- Data Management Modern Technologies (Oracle, MySQL, MongoDB, Hadoop). ISBN 978-9941-27-176-2. GTU, Tbilisi, 2017. -202 p.
- Corporate Management Systems Programming Technology. ISBN 978-9941-0-9843-7. Monogr., GTU, Tbilisi, 2017. -104 p.
- Programming Hybrid Technologies and Data Management. ISBN 978-9941-0-8692-2. GTU, Tbilisi, 2016. -272 p.
- The Basics of Software Systems Management. ISBN 978-9941-20-651-1. GTU, Tbilisi, 2016. 350 p.
- Software Project Management (Laboratory Practice). ISBN 978-9941-0-8558-1. GTU, Tbilisi, 2016. -180 p.
- Modeling and Automation of Business Processes for Organizational Management. ISBN 978-9941-8259-7. Monogr., GTU, Tbilisi, 2016. -204 p.
- Web-Applications Testing, Validation and Verification. ISBN 978-9941-0-7682-4. Monogr., GTU, Tbilisi, 2015. -205 p.
- Windows Development of Corporate Management Systems: WPF, WF and WCF Technologies. Part. 1-3. ISBN 978-9941-0-7103-4, GTU, Tbilisi, 2015. -492 p.
- Modeling and Analysis of Enterprise Resource Management Business Process. ISBN 978-9941-20-557-6. Monogr., GTU, Tbilisi, 2015. 216 p.
- Construction of Information Systems with Multimedia Databases. ISBN 978-9941-20- 468-5 Monogr., GTU, Tbilisi, 2014. 345 p.
- International Experience in Information Systems Management (BSI, ITIL, COBIT). ISBN 978-9941-20-458-6. GTU, Tbilisi, 2014. 320 p.
- Tools of Object-oriented Design and Modeling of Automated Control Systems (Ms Visio, WinPetsy, PetNet, CPN). ISBN 978-9940-56-77-8. Monogr., GTU, Tbilisi, 2013. 232 p.
- Development Basics of Applied Software. ISBN 978-9941-20-251-3. GTU, Tbilisi, 2013. 99 p.
- Integration and Building of Web-Applications for Enterprises. ISBN 978-9941-20-165-3. Monogr., GTU, Tbilisi, 2012. 324 p.
- Visual Programming with C# 2010. ISBN 978-9941-20-021-2. GTU, Tbilisi, 2011. 445 p.
- Methods and Models of Support of Decision-making in Expert Estimations for Business Programs. ISBN 978-9941-14-450-9. Monogr., GTU, Tbilisi, 2009. 205 p.

- Unified Modeling and Simulation of Business-processes of Marketing. ISBN978-9941-14-377-9. Monogr., GTU, Tbilisi, 2009. 170 p.
- Management of information resources in organizational systems. ISBN 978-9941-14-447-6. GTU, Tbilisi, 2009 128 p.
- Development a Web-applications on the basis of databases (ADO.NET,ASP.NET, C#). ISBN978-9941-14-289-5.GTU, Tbilisi, 2009. 190p.
- Construction of Web Applications with ASP&ADO&C# Packages on the .NET Platform (Lab-Practical), ISBN978-9941-14-365-6.GTU,Tbilisi, 2008. 88 p.
- Modelling of business-processes with Petri network. ISBN978-9941-14-125-6.GTU, Tbilisi, 2008. 128p.
- Basics of programming with language C. ISBN978-9941-14-375-5.GTU,Tbilisi, 2009. 150 p.
- Method of Object-oriented programming on the basis of language C++.ISBN978-9940-56-18-2.GTU, Tbilisi, 2008. 164 p
- Programming of office projects on the basis of VBA. ISBN978-9940-56-74-3.GTU,Tbilisi, 2007. 86 p.
- Databasemanagement systems:ObjectRole Modeling (ORM/ ERM, Ms SQL Server).Lab-Practical. ISBN978-9940-995-3-7.GTU, Tbilisi, 2007. 56 p.
- Object-oriented Method of Programming. ISBN99940-56-18-2. GTU, Tbilisi, 2007, 100 p.
- Basic of Programming (for C&C++) . ISBN99940-56-16-6. GTU, Tbilisi. 2006. 120 p.
- Component-Visual Programming: Construction of interfaces with c# and c++ for databases processing systems. ISBN99940-48-99-6. GTU. Tbilisi. 2006. 205 p.
- Programming of Office-work Project's with Visual Basic for Application. GTU, Tbilisi. 2006. 120 p.
- Tools of object-oriented Design and Modelling of Automated Control Systems. GTU, Tbilisi. 2006. 230 p.
- Automated Control Network System of Office-Work of Courts. ISBN99940-48-63-5. GTU, Tbilisi. 2005. 300 p.
- Object-oriented Simulation of Distributed Systems with Unified Petri Nets. ISBN99940-48-07-4. GTU, Tbilisi, 2005, 235 p
- Technology of Building Data Warehouses for E-Commerce Systems. ISBN99940-40-36-7. GTU, Tbilisi, 2005, 200 p.
- Programmierung mit C/C+. Germany. ISBN99940-40-69-3. GTU, Tbilisi, 2004, 140 p.
- Distributed Database Management Systems: Ms Access, SQL Server, Oracle, Interbase, JDBC, CORBA. ISBN99940-35-18-5. GTU, Tbilisi, 2004, 230 p.
- Designing Automated Systems for Business-processes Management. ISBN99940-14-81-1. GTU. Tbilisi, 2003, 230 p.
- Objektorientierte Modellierung und Programmierung mit der UML. (Germany), ISBN 99940-56-01-8. GTU, Tbilisi, 2003. 60 p.
- Modern Platforms and Languages of Programming (WINDOWS, LINUX, C&C++, JAVA, XML). ISBN99940-14-11-0. GTU, Tbilisi, 2003. 203 p.

-

- Methods of Visual Object-Oriented Programming (Borland C++ Builder, Petri Net). ISBN99928-943-9-3. GTU, Tbilisi, 2002. 203 p.
- Design and Building of the Management Information Systems. ISBN99928-882-7-X. GTU, Tbilisi, 2001, 742 p.
- C&C++ : Basics of structured and object-oriented Programming. GTU, Tbilisi, 1997, 276 p.
- Bases of Construction of Database and -Knowledge. GTU, Tbilisi, 1995, 375 p.
- Research of Process Management on the Base of Petri's Nets Theory. GTU, Tbilisi,1994,35p.
- Elaboration of the Technology for the Industry-oriented Workstation's Networks. GTU, Tbilisi, 1993, 250 p.
- Operation Systems for PC. Georgia, GTU, Tbilisi, 1993, 60 p.
- Methods and Tools of Construcion of Ddatabase and Knowledge. GTU, Tbilisi, 1991, 180 p.
- Automatized Systems of Treatment of Expert Estimating. Georgia, Inst.of Management of Republic of Georgia, Tbilisi, 1990, 89 p.
- Databases and -knowledges - Instrumental Means of Manager in Process of Taking a Decision. Inst.of Management of Republic of Georgia,, Tbilisi, 1989, 105 p.
- Database Management Systems. Georgia, GTU, Tbilisi, 1988, 115 p.
- Theory of relational Dependences and Design of Logical Shemes of Databases. Georgia, GTU, Tbilisi, 1988, 230 p.
- Constructing and using of Expert System for Estimate of Organisation-technical Level of Enterprise. (Russian). Inst.of Management of Republic of Georgia, Tbilisi, 1987, 108 p.
- Physical Organisation of Database.Georgia, GTU, Tbilisi, 1987, 86 p.
- Logical Structures of Database. Georgia, GTU, Tbilisi, 1986, 84 p.
- Introduction in the Theory of Database Systems. GTU, Tbilisi, 1985, 60 p.
- Design and Implementation of relation Database Structures. Russia. St.-Peterburg (Leningrad). Elektrotechn.Inst., 1980. 150 p.

➤ **ARTICELS IN JOURNALS/CONTRIBUTIONS TO BOOKS:**

- Construction of the Multimedia Databases and Users Interfaces for Ecological System of Black Sea with Orm/Erm. in ebook "Information and Computer Technology, Modeling and Control". ISBN: 978-1-53612-094-3. Series: Computer Science, Technology and Applications. Nova Science Publishers. © Copyright, 2017, 3rd Quarter. USA. Chapt.45, - pp.1-8
- From Information Systems to Information Society. Transact. of GTU "Automated Control Systems". ISSN 1512-3979. N1(23). 2017, pp. 7-16.
- Data Storage and Processing Distributed Systems. Transact. of GTU "Automated Control Systems". ISSN 1512-3979. N1(23). 2017. Pp.79-83
- Mobile Means of Communications in Emergency Situations. Transact. of GTU "Automated Control Systems". ISSN 1512-3979. N1(23). 2017. Pp. 205-210
- Web-Service Imple-mentation of the Black Sea Rivers for Estuaries Monitoring System. Transact. of GTU "Automated Control Systems". ISSN 1512-3979. N2(22). 2016. Pp. 190-193

- Management Information Systems and Software Engineering: Innovations in University Education. Transact. of GTU “Automated Control Systems”. ISSN 1512-3979. N1(21). 2016. Pp.9-24
- Construction of Corporate Application with Service-Oriented Software Technologies. Transact. of GTU “Automated Control Systems”. ISSN 1512-3979. N1(21). 2016. Pp.230-235.
- Assessment of Information Security Risks of Business Processes for Financial Organization and IT-Services. Transact. of GTU “Automated Control Systems”. ISSN 1512-3979. N1(21). 2016. Pp.248-253
- Modelling of Designing a Conceptual Schema for Multimodal Freight Transportation Information System. World Academy of Scientific, Engineering and Technology, v.9, N11. ISSN 1307-6892. 2015. pp. 204-207.
- Construction of Multimodal Freight Forwarding MIS using CASE Design and Hybrid Programming Technologies. Transactions of Georgian Technical University „Automated Control Systems“, No 2(20), 2015. pp.96-107.
- Software Development Life Cycle in the Latest Versions of Visual Studio.Net Framework Package. Transactions of Georgian Technical University „Automated Control Systems“, No 2(20), 2015. pp.212-222.
- Models and Methods for Assessing Organizational-technical Level and Credit Risks of a Manufacturing Company. Transactions of Georgian Technical University „Automated Control Systems“, No 1(19), 2015. pp.128-142.
- Construction of Electronic Election System with Multimedia Databases and Client-Server Architecture. GESJ: Computer Science and Telecommunications, 2014, N2(42). ISSN 1512-1232, Impact Factor: 0.8125. pp.39-85.
- Construction of Management Information Systems of Distributed Business Processes Based on Petri Networks and Object-Role Modeling. Bulletin of Georg. National Academy of Sciences "Moambe", vol. 8, N1. Tbilisi. 2014. pp. 58-64.
- Modern Information Technologies in Management of Marketing Processes and Production. ISSN 1512-3979. Trans.of GTU “Automated Control Systems”, N1(17), 2014. pp.64-71.
- Design of Information System on Based of Object-Role Modelling and Service-Oriented Architecture. ISSN 1512-3979. Trans.of GTU “Automated Control Systems”, N1(17), 2014. pp.32-45.
- Towards an Integration of Process-Modeling: from Business Method: from Business-Content to the Software Implementation. Journal of Business, IBSU, vol.2. Black Sea Univ. 2013. p.15-18.
- Software Development for Multimedia Electronic Election System. ISSN 1512-3979. Trans.of GTU “Automated Control Systems”, N1(14), 2013. pp.233-238.
- Automated Testing of Web Application. ISSN 1512-3979. Trans.of GTU “Automated Control Systems”, N1(12), 2012. pp.90-94.
- Simulation and Investigation of Business Processes Intercompany Web-Applications with Service-Oriented Architecture Based on Petri Nets. ISSN 1512-3979. Trans.of GTU “Automated Control Systems”, N1(12), 2012. pp.45-54.

- Methods of Design of Data Warehouse of Cloud Services for Corporate Networks. ISSN 1512-3979. Trans.of GTU "Automated Control Systems", N2(11), 2011. pp. 89-92.
- Modeling and Analysis of Marketing Processes using UML and Petri Networks. ISSN 1512-3979, Trans.GTU, ACS N1(10). Tbilisi. 2011. pp. 456-459.
- Modeling processes of life cycle of computer systems with the compromise decision of principles of universal and extreme programming. ISSN 1512-3979. Trans.of GTU "Automated Control Systems", N1(8), 2010.
- Automation of processes of monitoring in system of social service. ISSN 1512-3979. Trans.of GTU "Automated Control Systems", N1(8), 2010.
- Modeling of Virtual Systems in the Corporate Networks. ISSN 1512-3979. Transact.of GTU "Automated Control Systems", N2(7), 2009.
- Information System for Monitoring Accounting and Office-Work of Criminal Events. ISSN 1512-3979. Trans.of GTU "Automated Control Systems", N2(7), 2009.
- Concept of Interdisciplinary Training on the Speciality of MIS on background UML/2. ISSN 1512-3979. Trans.of GTU "Automated Control Systems", N1(6), 2009.
- Modelling - 2008: the new Bridge Between the Science and Manufacture. Reisig W. (Germany), Surguladze G., Gulua D. ISSN 1512-3979. Trans. of GTU "Automated Control Systems", N1(4), 2008.
- Modern principles and means of business-processes modeling. Surguladze G., Turkia E., Giutashvili M. ISSN 1512-3979. Trans. of GTU "Automated Control Systems", N1(4), 2008.
- Organization of program servers in corporatenetworks. Reisig W.(Germany), Surguladze G., Gulua D. ISSN 1512-3979. Trans.of GTU "Automated Control Systems", N2, 2007
- The Visual, Objectoriented Modelling, Design, Analysis and Implementation using .NET Technology and Petri Nets. Surguladze G., Petriashvili L., Shonia O. Bulletin of Georg.Acad.of Science. v.172,N2, 2005.
- Construction of Multi-dimensional Analysis Packet of Commercial Objects with Decision Cube Components. Surguladze G., Petriashvili L., Kvavadze L. Georgian Engineering News, No 4. 2005.
- Modelling of processes of actualization of the distributed databases on the basis of system Petri networks. Georgian Engineering News, No 2. Tb., 2006. Surguladze G., Gulua D.
- Inheritance in the Programming of Management Information Systems: from the Databases to the UML-Technology. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- Elaboration of the Software for the Management of Resource of the Multiprocessor Systems using Borland\_C++ Bulider. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- Designing of Learning , Testing and Certificating System using System Petri Nets. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- Projecting and Realization of the Information System of Marketing Processes Management in Enterprising Firms using UML-Technology. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- Design of Informational Systems using Workflow Management and Object Oriented Methods. Trans.of the GTU, Tbilisi, 3(431), 2000, p 119-123.
- Object-Oriented Modeling using the Technology of AMIS and Petri Nets in the Education System. Tbilisi, Sc. Journal "Intellect", 1(7), 2000, p 70-74.
- Development of Information System Control Software with UML-Technology. Trans.of the GTU, Tbilisi, 4(432), 2000, p 69-76.

- About the one realization of an expert system for bussiness planning processes. ISSN 021-7164, GTU,55-59 pp., 1999
- Computer system for organization and management of abroad learning for Turkish students.ISSN 1512-0333. No 3(6), Tbilisi, 1999, pp 81-86
- Building of Distributed Information systems with integrated using of new technology. ISSN 1512-0333. No 3(6), Tbilisi, 1999,pp77-80
- Technology of designing of distributed systems on the basis of object-oriented Programming.(mit H.Wedekind, Erlangen). Tbilissi, ISSN 021-7164, GTU, 1996
- Modeling process for synchronisation of resources for local area network on the bases of theory of Petri's nets. Tbilisi, Intern. Symp., ISSN 021-7164, 1997
- On one instrument of elaboration, analysis and modification of data bases and programing facilities in distributed systems under the control of protection integrity. ISSN 0132-1447, Bulletin of the Academy of Sciences of Georgia. v.149, No 2, 207-210 pp.,1994
- Technology of designing of distributed systems on the bases of integration of the theories of relational dependece, frames and Petry's nets. ISSN 0132-1447, v.148, No 2, 198-203 pp., 1993
- On one instrument of elaboration of effective procedure of fulfilling the operation of relational algebra in DBMS. ISSN 0132 -1447, Bulletin of the Academy of Sciences of Georgia.v.148, No 3, 22-27 pp., 1993
- Protection of the integrity of informational data base of distributed systems on example of industrial units market support. ISSN 021-7164, GTU. No 8(391), 127-132 pp. 1992
- On one realization of expert planing system on example of urban trade. ISSN 021-7164, GTU. No 6(389), 152-156 pp. 1992
- Programs of workstation's manager of the agricultural industry. Inf.Bulletin"Algorithms and programs", No 50890001365, Moscow, 260 p. Russia.
- Programs of teaching and researching systems"ORGTECH".Inf.Bulletin"Algorithms and programs", No 50890001364, Moscow, 102 pp. Russia
- One of the interpretation of algorithms of representation of knowledge in the RDB. ISSN 021-7164, GTU, 62-67 pp., 1989
- Method of define of minimal structure of functional dependences. Analele stiintifice ale Univ. "Al.I.Cuza". t.XXX. s.I a, Mattmat., Romania, 95-103 pp. 1984
- Program of further decomposition for structure of relational-DB. Inf.Bulletin"Algorithms and programs", P006378, No 5(56), Moscow. 28 pp. Russia, 1983.
- Choice of acceptable normal forms for logical shema of a relational datebase. ISSN 021-7164. GTU, No 10(267), 47-51 pp.Russia, 1983
- On the approach to the realization of physical structure of the relational data base. ISSN 021-7164. GTU, No 7 (239), 53-59 pp. Russia, 1981
- Construction of Structurs of Relational Database in Automated Management Systems. St-Petersburg. El-TechUniv., 17 pp., Russia, 1980
- Program Complex of Design and Modification Logical Structures of Database with the the Binary Relations. Inf.Bulletin "Algorithms and programs", No 1(33)-124, Moscow. 22 pp. Russia, 1980
- On one Algorithm of Formation of non-redundant Sets of Functional Relations in Relational Data Bases. ISSN 0132-1447. Bulletin of the Academy of Sciences of Georgia. v.96, No 1, 61-64 pp., 1979
- Logical and Algebraic Methods of Automated Actualization. ISSN 021- 7164. GTU,No 5(206), 73-75 pp, 1978



## ➤ PUBLISHED CONTRIBUTIONS TO ACADEMIC CONFERENCES:

- Determination of the Ecological Parameters of the Black Sea and Designing its Multimedia Base based on the Object-Role Modeling, XXVII Intern.Conf., “Problems of Decision Making under Uncertainties”, ISBN 978-996-7166-39-7. Kiev, Tbilisi- Batumi. 2016. pp. 65-68.
- Hybrid applications programming automation, intern. Scientific Conf., „Information and Computer Technologies, Modelling, Control“, Tbilisi, Georgia, 2015. pp. 69-73
- Programming Automation of Hybrid Applications. Proceedings of Intern.scientific Conf. “Information and Computer Technologies, Modelling, Control”. Tbilisi, Georgia, 3-5 Nov., 2015, pp. 69-73
- Automation of Programming for hybrid Application. 2015. Intern.Scient.Conf. “Information and Computer Technologies, Modelling, Control”. ISBN 978-9941-20-575-0. 3-5 Nov., Tbilisi., p.69-73.
- Integration Methods of Reports for Web Applications. 2015. The VII Intern.Scient. and pract. Conf. “Internet and Society” (INSO2015). Ak. Tsereteli State University. ISBN 978-459-43-6, Kutaisi, Georgia, p.92-96.
- Decision Support System for Optimization of Seaport Resource. 2014. III internat. Scientific Conference “Computing / Informatics, Education Sciences, Teacher Education”. Batumi, Georgia, p. 44 (with Prof. Dr. K.Meyer-Wegener).
- Construction of Information Systems with Multimedia Databases. 2014. III internat. Scientific Conference “Computing / Informatics, Education Sciences, Teacher Education”. Batumi, Georgia, p. 43 (with Prof. Dr. K.Meyer-Wegener).
- Integration of Corporate Information Systems and Dynamic Analysis of Distributed Business-Processes on the Basis of SOA and Petri Networks. Intern.scientific session. Modern methods and technologies for teaching and learning. Bulgaria, Dobrich, 2013.  
[http://www.manage-edu.net/online\\_contest.html?page=3&res\\_id=20](http://www.manage-edu.net/online_contest.html?page=3&res_id=20)
- Automation of Business-Processes of an Election System. VI Intern. Conf. (AICT 2012). Application of Information and Communication Technologies. Georgia, Tbilisi, 2012 ISBN 978-1-4673-1740-5. pp.308-312
- Towards an Integration of Process-Modeling: from Business Method: from Business-Content to the Software Implementation. IV Intern. Conf. Problems of cybernetics and informatics (PCI’ 2012). Baku, Azerbaijan, 2012. pp. 16-19.
- Object-Role Modeling for Design of Relational Databases of Distributed System. Intern.Conf. «Automated Control Systems and Modern Information Technologies» (MIS-2011). Tbilisi, Georgia, Mai 20-22, 2011. Trans. GTU, ACS, N 1(10). pp.173-175. ISSN 1512-3979.
- Development and research of corporate management consulting support computer system. The seventh international scientific and practical conference. Ukraine, Vinnytsia, VNTU, September, 28 – October, 3. 2010. E. Turkia, N.Topuria, D. Gulua.
- Modelling of business processes of sphere of social services and designing of its information system. Georgia, Tbilisi, University of the Patriarchy of Georgia, Mai, 2–6, 2010. N.Topuria
- Unified modeling and simulation of processes of marketing with the new information technology. Intern.Conferenc. “Science in high schools: mathematics, physics, computer science”. Moscow, Russia. 23-27 Mart, 2009. E. Turkia, M. Okhanashvili
- Development and Research of the Computer System Models Supporting the Human Resource Selection for the Project Management. 3-rd Intern.Conf. Computational Intelligence (CI’09). Tbilisi, Georgia, June 26-28, 2009. E. Turkia, N. Topuria, M.Giutashvili

- Perfection of Object-Oriented Projecting with a Process-Oriented Approach. Intern.Conferenc. "Educat, science and economics at univ.Integrat.to intern.educ.area". Płock, Poland. 2008. E. Turkia, D. Gulua.
- Construction of Multi-dimensional Analysis Packet of Commercial Objects with Decision Cube Components. Intern.Conferenc. "Educat, science and economics at univ.Integrat.to intern.educ.area". Płock , Poland . 2008. L. Petriashvili, N. Topuria
- The Workflow Management Processes of Computer Projecting of Business Plans. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- Projecting of Management Information Systems "Department" using UML-technology. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- The Modeling Projecting and Consistence of Internet Web-Pages in new Information Technology. Trans.of the GTU, ISSN 0201-7164, Tbilisi, 2001.
- Expert system for planning of bussiness processe. Tblisi, SoftTEC, GTU, 1999
- Technology of design of expert system for estimation of economic parameters of the discreted production works.GTU and KTU, 1995
- Decision support system for operational management of production.. Abst.First Int.Scienc.PS"Intellig.Manag.Systems", GTU, 93 pp.,1994
- Technology of constructing decision support system (DDS) for"Whole-Sale-Fair". Abst.First Int.Scienc.PS"Intellig.Manag. Systems", 92 pp.,GTU, 1994
- Conception of object-oriented modeling distributive systems on the base of theory relational dependences and petri's nets. Abst.Scient. Sympos. Moscow. 11 pp., 1992
- Database of CIM in condition of personalisation of workstations. Abstr.VI-Scient.Conf., Bakuriani, Georgia, 59-60 pp. 1990
- Construction and inculcatement of workstations for the agricultural industry. Abstr.Scient.Confer., Moscow, 49-50 pp., 1988
- Zur Projektierung der relationalen Datenbanken in automatisierte Steuerungssystemen. Halle-Wittenberg, 21-22 Sept,78 S., 1981 Germany
- Relational databases in the automatized management systems of metalic industry. Abst.First Scient.Conf., "Databases", Tbilisi, 73-74 pp., 1980 Russia
- Design of relational databases and forms of dialogue. Abstr.First Scient. Seminar "Intel.Databases", Sukhumi, UdSSR, Sept., 55-58 pp., 1977, Russia