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Teimuraz Manjafarashvili

Experience

- 2006-present Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia, Associate Professor, Faculty of Exact and natural Sciences, Department of Computer Sciences. Chair of Applied Informatics
- 1995-2006 Iv. Javakhishvili Tbilisi State University Tbilisi, Georgia, Docent, Faculty of Applied Mathematics and Computer Science, Chair of Random Processes Theory.
- 1988-1995 Iv. Javakhishvili Tbilisi State University Tbilisi, Georgia, Senior Research Fellow, Physical Cybernetics Problem Laboratory
- 1986-1988 Iv. Javakhishvili Tbilisi State University Tbilisi, Georgia, Head of Scientific-Technical Information Division, TSU Scientific Library
- 1974-1986 Iv. Javakhishvili Tbilisi State University Tbilisi, Georgia, Junior Scientist, Problematory Laboratory of Physical Cybernetics
- 2009-present Director of "Industry Kirk" Ltd.
- 2004-2009 Head of the Department of Reporting and Controlling of "HeidelbergCement Georgia"
- 2004-2006 Chief Advisor to the General Director of "Sakvetsement" in Economic Issues

Education

- 1995 N. Muskhelishvili Institute of Computational Mathematics of Georgian Academy of Sciences, Tbilisi, Georgia, Ph. D. (Computational Mathematics).
- 1974 Tbilisi State University, Tbilisi, Georgia. Faculty of Applied Mathematics and Cybernetics. Diploma in Applied Mathematics and Cybernetics

Research Interests

1. Information systems analysis and engineering;
 2. Computational intelligence
 3. Information management;
 4. Architecture, Finance and Management of the Enterprise;
 5. Fuzzy-technologies in decision-making intellectual support systems;
 6. Multi-attributive advisor systems for management of technological processes;
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7. Automated information systems for technological process management;
8. Fuzzy logic and mathematics, theory and practice;
9. Incomplete and inaccurate data processing;
10. Intelligent Information Systems.

Teaching Courses

Information systems, information management, enterprise architecture, enterprise management, software economics, information systems used in the market, decision-making support intelligent systems, industrial technologies process management support and automated information systems, Information systems to determine of human nature and intellectual tendencies.

Performed Selected Projects

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- 1999-2000 „Establishment of educational-scientific center of Georgian Language Foundation“, Fund “Open Society Georgia” Grant HESP/19/98, Project Director.
 - 2003 EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT acting on behalf of the Donor EUROPEAN COMMISSION, Scientific Grant for Business Advise; EBRD BUSINESS ADVISORY SERVICE (“BAS”) Programme Georgia, Grant BASGE-097, Project Director.
 - 2004 EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT acting on behalf of the Donor EUROPEAN COMMISSION, Grant for Business Advise; EBRD BUSINESS ADVISORY SERVICE (“BAS”) Programme Georgia, Grant BASGE-116, Project Director.
 - 2004 EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT acting on behalf of the Donor EUROPEAN COMMISSION, Grant for Business Advise; EBRD BUSINESS ADVISORY SERVICE (“BAS”) Programme Georgia, Grant BASGE-140 Information system “Expert Decisions” design, Project Director.
 - 2010–2011 Shota Rustaveli st. National Science Foundation, Grant №: GNSF / ST08 / 1-361 “Flexible Structured Systems Modeling and Simulation Fuzz-Technologies”, researcher.

Selected Publications

1. Fuzzy regulators in information processing systems, Proceedings of school-seminar on Problems of STI at the State Committee for Science and Technology of Georgia, Tbilisi, 1985
2. The application of the mathematical theory of word formation to the Arabic language, Proceedings of TSU (Applied Mathematics and Cybernetics), v. 258, 1985
3. Fuzzy sets and statistical linguistics, Mater. intercollegiate Seminar on quantitative aspects of the systemic organization of the text, Tbilisi, 1987
4. Automated system "getting exams -87", report on the conference in dialogue systems, Tbilisi, 1987
5. On the issue of changing the linguistic spectrum of the process of word formation in the transition from speech to vocabulary, Proceedings of TSU (Applied Mathematics and Cybernetics), v. 272 (8), 1987
6. Factographic Database of Georgian Toponyms, Proceedings of TSU "Series of Applied Mathematics and Cybernetics", 272 (8), 1987
7. On fuzzy sets, Proceedings of TSU (Applied Mathematics), vol. 209, 1988
8. Factographic database of Georgian toponyms, report at the meeting “Machine Funds of Languages of the Peoples of the USSR”, Tallin, 1988
9. The dual element and the relative pseudo-complement in the lattice of fuzzy sets, Proceedings of Academy of Sciences of Georgia, 135: 1, 1989
10. Fuzzy random events and the corresponding relative probabilistic measures, Proceedings of Academy of Sciences of Georgia, 134: 3, 1989
11. Dual element and fuzzyness, , Proceedings of TSU Series of Applied Mathematics and

- Cybernetics, 300, 1990
12. Fuzzy linguistic models (Bernoulli, Fuchs and SIPF-Mandelbroot Distribution), Collection 'Quantitative Linguistics', 1990
 13. Finite Fuzzy Sets and Entropy, Proceedings of TSU (Applied Mathematics), v. 300, 1990
 14. On Fuzzy Sequences, Proceedings of TSU (Applied Mathematics), vol. 308 (14), 1991
 15. Probabilistic model of fuzzy subsets and canonically conjugated fuzzy subsets, collection "Modern problems of applied mat. and Cybernetics", 1991
 16. On some relative measures of information of finite fuzzy subsets of random events, Proceedings of TSU (Applied Mathematics), v. 315, 1993
 17. On the grouping of fuzzy data, Proceedings of TSU (Applied Mathematics), v. 315, 1993
 18. The amount of information contained in the fuzzy message, Proceedings of TSU (Applied Mathematics), v. 316, 1994
 19. T.Gachechiladze, G.Sirbiladze, T.Manjaparashvili, F.Criado, H.Meladze, G.Tsertsvadze, A New Approach to Analysing Fuzzy Data and Decision-making Regarding the Possibility of Earthquake Occurrence – INTAS (97-2126A). Final Report (2000). www.intas.be/index.asp?s=23_1&uid
 20. T.Gachechiladze, F.Kriado, G.Meladze, T.Mandjaparashvili, G.Tertsvadze, G.Sirbiladze, Fuzzy Analysis of Language Structures for a finite set of imperfect data - Collective monograph, coll. Works dedicated to the 80th anniversary of Academician Piotrovsky, St. Petersburg (2002)
 21. T.Gachechiladze, F.Criado, H.Meladze, T.Manjaparashvili, G.Tsertsvadze, G.Sirbiladze, Fuzzy Analysis of the Language structures on the finite set of insufficient data – Journal of Quantitative Linguistics, vol. 11, #1-2, pp.96-132 (2004).
 22. T. Manjaparashvili, Fuzzy methods of Financial Analysis - Georgian Electronic Scientific Journal: Computer Science and Telecommunications No.2(9), (2006).
 23. T. Manjaparashvili, I.Gedevanishvili, G.Verulashvili, Z.Esartia, About of the one method of bankruptcy risk analyze - Georgian Electronic Scientific Journal: Computer Science and Telecommunications No.1(15), (2008).
 24. T. Manjaparashvili, Assessment of Bankruptcy Risk by method of Fuzzy Statistics, TSU Conference at the 90th Anniversary of the University in Computing, 13-15 October, Tbilisi, 2008.
 25. Teimuraz Manjaparashvili, Mikheil Kapanadze. Evaluation of Bankruptcy Risks by the method of Fuzzy Statistics, Proceedings of the EUROPEAN COMPUTING CONFERENCE (ECC'09), Tbilisi.
 26. G. Sirbiladze, M. Kapanadze, A. Sikharulidze, T. Manjaparashvili. "Genetic Algorithm for the Identification of Fuzzy Discrete Dynamic Systems" International Scientific Conference "Information and Computer Technologies, Modeling, Management" dedicated to the 80th anniversary of the birthday of Akademi Iveri Pirgishvili, collection, Tbilisi, 2010.
 27. Use of Fuzzy - Approaches for the automated evaluation and forecasting of the financial and economic situation of the enterprise, Georgian Electronic Scientific Journal: GESJ: Computer Sciences and Telecommunications // 2011 | No.3(32), pp. 59-85
<http://gesj.internet-academy.org.ge/download.php?id=1905.pdf>
 28. T.Manjaparashvili. Evaluation of financial risks by the method of Fuzzy statistics to support decision making by the management, Georgian International Journal of Science and Technology, Nova Science Publishers, Volume 4, Number 1/2, 2012, pp. 71-94.
 29. T. Manjaparashvili, Building the information system supporting solutions for operational management of the technological process on the example of the lime kiln, report on First Faculty Scientific Conference dedicated to the 95th anniversary of the establishment of Javakhishvili Tbilisi State University in exact and natural sciences. Tbilisi, 2013. <http://conference.ens-2013.tsu.ge/uploads/50f76224d1e3bTeimuraz-Manjaparashvili-GEO.pdf>
 30. **Gia Sirbiladze, Anna Sikharulidze, Bidzina Matsaberidze, Teimuraz Manjaparashvili, Irina Khutsishvili and Givi Chachia.** On the New Constructions of a Fuzzy Prediction Simulation System, Georgian International Journal of Science and Technology, Nova Science Publishers, Volume 6, Number 1, 2013, pp. 83-91.
 31. T. Manjaparashvili. Appellant Temperament and Mode Type Approval using Fuzz Information Technologies, Report: Third Scientific Conference of Ivane Javakhishvili Tbilisi State University in Exact and Natural Sciences ENS-2015, Tbilisi, 2015.<http://conference.ens-2015.tsu.ge/lecture/update/180>
 32. **Adelina Faradian, Teimuraz Manjaparashvili, Nikoloz Ivanauri,**"Designing a Decision Making Support Information System for the Operational Control of Industrial Technological

Processes", IJITCS, vol.7, no.9, pp.1-7, 2015. MECS (<http://www.mecs-press.org/>) DOI:
10.5815/ijitcs.2015.09.01