

Latafat A. Gardashova



Professional affiliation and title

Professor of Computer Aided-Control Systems (Azerbaijan State Oil Academy), “Young scientist of XXI century” winner of the International Project, Instructor of Joint MBA Program, Georgia State University (USA), Azerbaijan State Oil Academy (Azerbaijan)

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Curriculum Vitae

First Name: LATAFAT
Family Name: GARDASHOVA
Date of Birth: 27.I.1966
Place of Birth: Zagatala, Azerbaijan Republic
Nationality (ethnic): Azerbaijanian
Knowledge of Languages: Azerbaijani, Russian, English, Turkish
Father's Name: Abbas
Mother's Name: Phatimat
Family State: Married, has one son.

Education

1985-1990	Student of the Azerbaijan State University, Department of Applied Mathematics, Baku
1992-1996	Post-Graduate student, Azerbaijan State Oil Academy, Baku

Academic and Scientific Degrees

1999	Candidate of Sciences (PhD). Thesis entitled: Development of the planning workstation operating with fuzzy databases and inquiries(for oil refinery)
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2013	Doctor of Sciences on Engineering. Thesis entitled: Decision making in management systems of oil refinery enterprise under fuzzy environment
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Employment and Positions

1990-1992	Scientific worker of Intelligent Systems Research Laboratory
1997-2003	assistant professor
2004-2006	associate professor
2007-2016	Instructor of the Department Computer Aided Control Systems , Azerbaijan State Oil and industry University, Baku and Instructor of Joint MBA Program, Georgia State University (USA), Azerbaijan State Oil and Industry University
2016 march-present	Head of Doctoral Study Department, Professor of the Department Computer Engineering

Scientific Contribution

L.A.Gardashova has published over 163 research papers. Also he has published 7 books.

Awards

“Young scientist of XXI century” winner of the International Project , 2001 year

“Scientist of 2016”(The worthiest scientist-T.W.S.of the science development foundation under the president of the Republic Azerbaijan), 2017 year

Present fields of specialization

Artificial and Computational Intelligence, Fuzzy mathematics, Soft Computing, Fuzzy Sets and Systems, Management Systems, Intelligent Systems in Business, and Economics

Research interests

Computer technology, Modern Control Theory, Fuzzy logic, Neural Networks, Evolutionary Computing, Soft Computing technologies, Database Management systems, Distributed Artificial Intelligence

Scientific activity

- Member of Organization Committee of International Conferences held in Germany, France, Turkey, Portugal and other countries of the world.

Primary publications

Books

- Aliev R.A., Jafarov S.M., Gardashova L.A., Zeynalova L.M. Principles of decision making and control under uncertainty. Baku: "Nargiz", 1999, 152 p. (In Russian).
- Aliev R.A., Jafarov S.M., Babayev M.J., Zeynalov E.R., Gardashova L.A. The decision making

- and control under uncertainty. Baku: "Nargiz", 2003, 214 p. (In Azeri).
- Gardashova L.A. Seyidov M.I., Salimov V.H. Computer mathematics. Baku: "ASOA" publ., 2010, 188 p. (In Azeri.)
 - Agayev F.M., Gardashova L.A. Processing of signals and images. Baku: "ASOA" publ., 2010, 147 p. (In Azeri.)
 - Gardashova L.A. Fuzzy logic and Soft computing. Baku: "ASOA" publ., 2010, 124 p. (In Azeri.)
 - Agayev F.M., Gardashova L.A. Processing of signals in computer engineering. Baku: "ASOA" publ., 2013, 353 p. (In Azeri.)
 - Gardashova L.A. Decision-making methods in the fuzzy environment. Baku: "ASOA" publ., 2010. (In Azeri.)

Edited books

- Aliev R.A., Aliev R.R. Soft Computing: part I. Fuzzy sets and systems. Baku: ASOA Press, 1996, p.181 (in Russian).
- Aliev R.A., Aliev R.R. Soft Computing: part II. Artificial neural networks. Genetic algorithms. Chaos theory. Baku: ASOA Press, 1997, p.145 (in Russian).
- Aliev R.A., Aliev R.R. Soft Computing: part III. Hybrid intelligent systems. Baku: ASOA Press, 1997, p.344 (in Russian).
- Aliev R.A., Aliev R.R. Intelligent systems theory and its applications. Baku: "Chashiogli", 2001, p.720 (in Russian).
- Aliev R.A., Jafarov S.M., Babayev M.J., Zeynalova L.M. Modern Control theory. Baku: "Zaman-3", 2002, 232 p. (In Azeri).
- Aliev R.A., Jafarov S.M., Babayev M.J., Zeynalov E.R., Huseynov B.G. Control systems for robots. Baku: "Nargiz", 2004, 328 p. (In Azeri).
- Aliev R.A., Jafarov S.M., Babayev M.J., Huseynov B.G. Design principles of intelligent systems. Baku: "Nargiz", 2005, 368 p. (In Azeri).

Papers

1. Veliyev A.A., Abdullayev T.C., Alekperov R.B., Gardashova L.A. Creation of Fuzzy Object-oriented Database/ First International Conference on Soft Computing and Computing with Words in System Analysis, Decision and Control, Antalya, Turkey, 2001, pp.248-249.
2. Veliyev A.A., Abdullayev T.C., Gardashova L.A. Realization of Fuzzy Inquiries for Solving Problems of ecology in Oil refinery Industry/ Fifth International Conference on Application of Fuzzy Systems and Soft Computing., ICAFS-2002, Milan, Italy, September 17-18, 2002, pp. 280-282.
3. Balayev R.S., Mammadov J.R., Gardashova L.A., Alieva Z.R. Fuzzy Information system for oil refinery plant/ Fifth International Conference on Application of Fuzzy Systems and Soft Computing. International Conference on A, ICAFS-2002, Milan, Italy, September 17-18, 2002, pp. 271-275.
4. Gardashova L.A. Information System Based on Fuzzy Data and Queries/Materials of international conference "Azerbaijan after independence", Baku, 2003, pp.226-228
5. Gardashova L.A., Gadzhieva N.N, Velicanova M.Z. Applications of Fuzzy Method in the spectrophotometrical research of biological object// Transactions of Azerbaijan National Academy of sciences. "ELM" Publishing house, 2003, vol. XXIII, no.5 pp.46-50.
6. Veliyev A.A., Abdullayev T.C., Gardashova L.A. Database processing Systems for WWW /Second International Conference on Soft Computing, Computing with Words and Perceptions in System, Analysis, Decision and Control Antalya, Turkey, 2003, pp.319-323
7. Veliyev A.A., Abdullayev T.C., Gardashova L.A., Abdullayev I.T. A decision support system for evaluation of potential borrower creditability. Proc. sixth International Conference on Application of Fuzzy Systems and Soft Computing. Barcelona, Spain, September 28-30, 2004, pp.173-179
8. Veliyev A.A., Abdullayev T.C., Gardashova L.A., Abdullayev I.T. Fuzzy credit scoring system.

- Third International Conference on Soft Computing, Computing with Words and Perceptions in System , Analysis, Decision and Control. Antalya, Turkey, 2005, pp.198-203
9. Gardashova L.A. Benchmark Fuzzy time-series forecasting using Fuzzy recurrent neural network// Journal "Knowledge", Education Society Of Azerbaijan Republic, № 3-4, 2005,pp.38-45
 10. T.S.Abdullayev, L.A.Gardashova, B.F.Aliev, A.G.Aliev, B.I.Ismailov. Fuzzy Expert System ESPLAN and its application in Business, Medicine and technics. Seventh International Conference on Application of Fuzzy Systems and Soft Computing , ICAFS-2006, Germany, September 13-14, 2006, pp. 205-215
 11. Gardashova L.A. Mining Fuzzy Type-2 Association Rules in a Bank Database. I scientific and practical conference "Innovation developments: Problems and decisions "The center of the state registration of research, developmental works and the defended dissertations, Baku, "ELM:"Publ.House, 2007, pp. 104-110
 12. K.W.Bonfig, Mehdi Sh. F. L.A.Gardashova.Neural Network Based Forecasting of time series and its application in the forecasting of oil prices in the world Market/ ICAFS-2008, 8-th ICAFS and Soft Computing, Helsinki, Finland,p.275-281, 2008
 13. L.A.Gardashova B.F.Aliev Intellectual diagnostics system of a pulpitis/ ICAFS-2008, 8-th ICAFS and Soft Computing, Helsinki, Finland,p.135-145, 2008
 14. B.F.Aliev, L.A.Gardashova, R.F.Yusifov. Selection of an optimal treatment method for acute periodontitis disease/ ICSCCW-2009, Fifth International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, 2009, North Cyprus, p.315-320
 15. R.A.Aliev, B.F.Aliev, L.A.Gardashova,O.H. Huseynov. Selection of an optimal treatment method for acute periodontitis disease// Journal of Medical Systems, Springer verlag, USA, DOI 10.1007/s10916-010-9528-6, Volume 36, Number 2, 2012, p.639-646.
 16. L.A.Gardashova. Economic agents behavior modeling under second-order uncertainty /Ninth international conference on Application of Fuzzy Systems and Soft computing, Prague, Czech Republic,2010,p.359-364.
 17. L.A.Gardashova, Z.T.Aliyev. Selection of the investment portfolio under uncertainty conditions/ Ninth international conference on Application of Fuzzy Systems and Soft computing, Prague, Czech Republic,2010,p.255-262
 18. L.A.Gardashova, E.H.Aliev. Modelling of electoral democracy index/ Ninth international conference on Application of Fuzzy Systems and Soft computing, Prague, Czech Republic,2010,p.341-348
 19. L.A.Gardashova, N.Sh. Mehdiyev, J.I.Ramazanov, R.R.Aliev. Extraction rules from data by using differential evolution based fuzzy clustering method/ Sixth World Conference on Intelligent Systems for Industrial Automation Tashkent, Uzbekistan, November 25-27, pp.322-329,2010
 20. B.F.Aliev, L.A.Gardashova. Diagnostics System For A Pulpitis Under Second Order Uncertainty/ Sixth World Conference on Intelligent Systems for Industrial Automation Tashkent, Uzbekistan November 25-27, pp.317-322,2010
 21. L.A.Gardashova, V.H. Salimov. Solving the problem of decision making under uncertainty-Zadeh's II problem on the base of a non-additive measure and Choquet integral // Transactions of Azerbaijan National Academy of sciences. "ELM" Publishing house, No 6 , vol. 30,Baku, 2010, pp.33-39
 22. V.H.Salimov, L.A.Gardashova. Fuzzy multi-criteria optimization on the basis of FMOLP/ Six International Conference on Soft Computing, Computing with words and Perceptions in system Analysis, Decision and control,Antalya, Turkey, 2011, p.115-120
 23. M.Abbaszadeh, E.Ragimova, L.A.Gardashova, R.Ibragimbekova, Z.Veyisova. System of psychological testing of entrants for the purpose of vocational guidance/ Six International Conference on Soft Computing, Computing with words and Perceptions in system Analysis, Decision and control,Antalya, Turkey, 2011,p.139-146
 24. L.A.Gardashova. Fuzzy neural network and DEO based forecasting/ Zbirnik naukovih prac'., Выпуск,29, ISSN1993-5579, Украина, Донецк, 2012, стр.36-44
 25. Gardashova L.A. Modeling of decision maker using the possibility-probability measure based method under second-order uncertainty//. Herald of the Azerbaijan Engineering Academy, The international science-technical journal, Baku, 2012,pp.104-110.
 26. V.H.Salimov, L.A.Gardashova. Decision Making Under Uncertainty-Proof of Ellsberg's Experiment./ Jour. Information processing systems. Issue- 4(102), Vol 1. Xarkov, Ukraina, 2012,

- pp.62-66.
27. R.A.Aliev, L.A.Gardashova, O.H.Huseynov. Z-numbers-based expected utility. Tenth International Conference on Applicationa of fuzzy Systems and Soft Computing, Lisbon, Portugal, 2012, p. 49-57
 28. L.A.Gardashova .A new approach to solving decision making problem with Z-information under uncertain environment. 2nd World Conference on Soft Computing, Baku, 2012 pp.464-470
 29. R.A.Aliev, L.A.Gardashova, O.H.Huseynov. Geometrical resoning and its applications in decision making. Seventh world Conference on Intelligent systems for Industrial Automation,Tashkent, Uzbekistan,2012, pp.338-347
 30. Gardashova L.A. E.H.Aliev.A fuzzy approach to evaluation of democracy index. International Journal of Business, Humanities and technology,USA, vol.4, No.5, 2014, pp.94-98
 31. Gardashova L.A. Modeling Of Decision Maker Under Imperfect Information, International Journal of Case Studies (IJCS),Canada, volume 4, Issue 11,pp. 29-40,2015
 32. Gardashova L.A. The analysis of the behavior factors in forecasting. Proceedings of the International Scientific and Practical Conference "Modern Methodology of Science and Education, World Science,Vol. II (May 20-21, 2015, Dubai, UAE)". - Dubai, 2015. , pp.62-71
 33. Gardashova L.A. Application Application of DEO method to solving fuzzy multiobjective optimal control problem. Applied Computational Intelligence and Soft Computing, 2014, journal Vol. 2014, Article ID 971894, pp.1-7 , New York, USA. (Indexed in WEB of Science ,Thomson Reuter)
 34. Gardashova L.A. Application of operational approaches to solving decision making problem using Z-numbers. Applied Mathematics, 2014, USA, journal Vol.5,No.9, pp.1323-1334(ISI WEB of Knowledge, Indexed in WEB of Science)
 35. L.A.Gardashova,R.A.Allahverdiyev,T.Saner,S.Z.Eyupoglu. Analysis of the job satisfaction index problem by using fuzzy inference. Procedia Computer Science ,102, pp.45-50(Indexed in WEB of Science ,Thomson Reuter)
 36. L.A.Gardashova,Umit Ilhan,Kenan Kilic. UAV using Dec-POMDP model for increasing the level of security in the company, Procedia Computer Science, 102, pp.458-464(Indexed in WEB of Science ,Thomson Reuter)
 37. L.A.Gardashova,R.A.Allahverdiyev,T.Saner,S.Z.Eyupoglu. Application of fuzzy logic in job satisfaction performance problem Procedia Computer Science,102,pp.190-197. (Indexed in WEB of Science ,Thomson Reuter)
 38. Latafat Gardashova. RDM based Approach To Solving Decision Making Problem Under Uncertain Environment. International Journal of Innovative Research in Computer Science & Technology (IJIRCST) ISSN: 2347-5552, Volume-5, Issue-2, March 2017, India ,pp 247-252(Thomson Reuter)
 39. Latafat Gardashova An algorithm based on a possibility measure and used to evaluate the job satisfaction index Eastern European journal of Enterprise Technologies, Vol 2, No 4(80), 2016, pp.11-18.(Scopus).
 40. Latafat Gardashova .RDM based Approach To Solving Decision Making Problem Under Uncertain Environment. International Journal of Innovative Research in Computer Science & Technology (IJIRCST) ISSN: 2347-5552, India. Volume-5, Issue-2, March 2017, pp 247-252
 41. B.F.Aliev L.A.Gardashova. Selection of an optimal treatment method for acute pulpitis disease. Procedia Computer Science,2017, (Indexed in WEB of Science ,Thomson Reuter)
 42. A.Musayev S. Mammadova L. Gardashova A. Musayeva S.Üzelaltinbulat Estimation of impact of the changes made to the Tax legislation to the tax receipts through fuzzy numbers. Procedia Computer Science,2017, (Indexed in WEB of Science ,Thomson Reuter)
 43. Latafat Gardashova, Yunis Gahramanli, Mehseti Babanli. Fuzzy Neural Network Based analysis of the Process of Oil Product Sorption with Foam Polystyrene . Int. Journal of Engineering Research and Application. Vol. 7, Issue 9, (Part -7) September 2017, pp.85-90 (Ebsco Host,Copernicus)