

ÖZGEÇMİŞ

1. **Adi Soyadi:** Rahib Abiyev
2. **Doğum Tarihi:** 8 ocak 1966
3. **Unvani:** Prof.Dr.
4. **Öğrenim Durumu:**

Derece	Alan	Üniversite	Yil
Y.Lisans	Bilgisayar Yönelimli Kontrol Sistemleri	Azerbaycan Devlet Petrol Akademisi	1989
Doktora	Eletrik ve Elektronik Mühendisliği	Azerbaycan Devlet Petrol Akademisi	1997

5. Akademik Unvanlar

- Profesör** : Yakın Doğu Üniversitesi 2014-
Uygulamalı Yapay Zeka Araştırma Merkezi, Müdür
- Profesör** : Yakın Doğu Üniversitesi 2009-2014
Bilgisayar Mühendisliği Bölüm Başkanı
Uygulamalı Yapay Zeka Araştırma Merkezi, Müdür
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Bilgisayar Mühendisliği Bölüm Başkanı Vekili,
Uygulamalı Yapay Zeka Araştırma Merkezi, Kurucu Müdür
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Bilgisayar Mühendisliği Bölümü
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Otomatik kontrol sistemleri bölümü
- Araştırmacı** : Endüstriyel Akıllı Kontrol Sistemleri Arşatırma Lab. 1990-1997
Azerbaycan Devlet Petrol Akademisi

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri -

1. Muhammad Khairi. Development of fuzzy controllers. (2001)
2. Metin Bilin. Quality control using fuzzy logic in flexible manufacturing system. (2002)
3. Marwan Al-Akhras. Neuro-fuzzy System for Modeling of Nonlinear Processes. (2003)
4. Hussam E.Hamrawi. Identification of Fuzzy Systems. (2003)
5. Omar Saeed. Development of Voice Interactive System for Bank Transaction (2003)
6. Nidal Meshal. Cryptography and Security Over Network Using Data Encryption Standard (2003)
7. Ekatrina Gerasimova. Analysis of Forecasting Models and Time-Series Modeling of Network Traffic (2004)
8. Qais Albeni. Arabic Character Recognition Using Neural Network (2005)
9. Filiz Al-Shanableh. Optimal Control of Plant Parameters Using Neural System (2005)
10. Kadime Altungul. Expert System for Medical Diagnosis of Abdominal Diseases (2005)
11. Mehmet Gogebakan. Development of Neural Control System. (2005)
12. Shadi Jundy. Network Traffic Optimization. (2005)
13. Raed M,Khidar. Signature Recognition Using Neural Network.(2006).
14. Esraa Alqarallelh. Path Tracking and Navigation by Mobile Robot.(2007).
15. Ayman Afaneh. Fuzzy Navigation of Mobile Robot .(2007).
16. Saed Yakoub. Neural System for Equalization of Channel Distortions (2007)
17. Koray Altunkaya. Iris Recognition Using Neural Network (2007)
18. Bugra Demircioglu. Text Recognition Using Neural Network (2007)
19. Ramiz Salama. Neural Network for Fingerprint recognition (2008)

20. Anis Oztekin. Wavelet Neural Network for Prediction Water Consumption and Airline Passengers (2010)
21. Rifat Dover. Mobile Robot Navigation in Uncertain 3-D Environments (2010)
22. Dana Dogramaci. Image Compression using Neural and Wavelet Technologies. (2012)
23. Hafzullah İş. Social Signal Rank System Search Engine Based Business Networking Portal (2012)
24. Huseyin Guney. Early Detection of Breast Cancer using Support Vector Machine. (2013)
25. Selin Uzelaltinbulat. Biometric Retina Identification Using Neural Networks. (2013)
26. Huseyin Mahammad. Voice Recognition Using Neural Networks. (2013)
27. Wameedh Raad Fathel. Fingerprint Recognition Using Principal Component Analysis. (2014)
28. Rami Mustafa. Facial Feature Extraction for Face Recognition. (2014)
29. Sipan Mohammd Hameed. Intelligent System for Cardiac Arrhythmia Classification (2014)
30. Awad J.A.Ahmed. Handwritten Text Recognition Using Neural Networks (2014)
31. Abdulkader Helwan. Intelligent Breast Cancer Identification System. (2015)
32. Murat Aslan. Vision based obstacle detection using clustering algorithms
33. Nurullah Akkaya. Bheaviour-tree based control of holonomic robots

6.1 Doktora Tezleri

1. Mustafa Menekay. Fuzzy Portfolio Selection Using Genetic Algorithms. (2006)
2. Tayser Al-Shanableh. Neuro-Fuzzy System for Equalization of Channel Distortion. (2007)
3. Besime Erin. Fuzzy Navigation of Mobile Robot in Uncertain Environment (2011)
4. Mustafa Tunay. Evolutionary Search Algorithm Based on Hypercube Optimization (2015)
5. Kemal Kilic. Image Texture Classification using Fractal Geometry (devam ediyor)

7. Yayınlar

7.1 Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

1. Rahib H. Abiyev, Mustafa Tunay. Optimization of High Dimensional Functions through Hypercube Evaluation. Computational Intelligence and Neuroscience, Volume 2015, 2015.
2. Rahib H.Abiyev, Rafik Aliyev, Okyay Kaynak, I. Burhan Turksen, Karl Walter Bonfig. Fusion of Computational Intelligence Techniques and Their Practical Applications. Computational Intelligence and Neuroscience, Volume 2015, 2015.
3. Rahib H.Abiyev. Credit Rating using Type-2 Fuzzy Neural Networks. Matimatical Problems in Engineering. Hindawi Publications, 2014.
4. Rahib H.Abiyev, Nurullah Akkaya, Ersin Aytac, Dogan Ibrahim. Behaviour Tree Based Control For Efficient Navigation of Holonomic Robots. International Journal of Robotics and Automation, Actapress, Vol.29, Issue 4, 2014.
5. Rahib H. Abiyev, Okyay Kaynak, Erdal Kayacan, A type-2 fuzzy wavelet neural network for system identification and control, Journal of the Franklin Institute- Engineering and Applied Mathematics, Volume: 350 Issue:7 Pages: 1658-1685 DOI: 10.1016/j.jfranklin.2013.04.020
6. Rahib H.Abiyev. Fuzzy Wavelet Neural Network Based on Fuzzy Clustering and Gradient Techniques for Time Series Prediction. Neural Computing & Applications, Vol. 20, No. 2, pp. 249-259, 2011
7. Rahib H. Abiyev, Okyay Kaynak. Tayseer Alshanableh, Fakhreddin Mamedov. A Type-2 Neuro-fuzzy System Based on Clustering and Gradient Techniques Applied to System Identification and Channel Equalization. Applied Soft Computing, Vol.11, Issues 1, 2011.
8. Rahib Abiyev, Kemal Ihsan Kilic. Exploiting the Synergy Between Fractal Dimension and Lacunarity for Improved Texture Recognition. Signal Processing, 2011, (accepted)
9. Rahib H. Abiyev, Okyay Kaynak. Type-2 Fuzzy Neural Structure for Identification and Control of Time-Varying Plants. IEEE Transactions on Industrial Electronics. Vol. 57, No. 12, pp. 4147 – 4159, December 2010.
10. Erdal Kayacan, Yesim Oniz, Ayse Cisel Aras, Okyay Kaynak, Rahib Abiyev. A Servo System Control with time-varying and Nonlinear Load Conditions Using Type-2 TSK Fuzzy Neural System. Applied Soft Computing, 2011.
11. R.Abiyev, D. Ibrahim, and B. Erin. Navigation of mobile robots in the presence of obstacles. Advances in Software Engineering, Vol.41, Issues 10-11, 2010, pp.1179-1186.

12. R. Abiyev, D. Ibrahim, and B. Erin. EDURobot: An Educational Computer Simulation Program for Navigation of Mobile Robots in the Presence of Obstacles. *International Journal of Engineering Education*. Vol.26. No.1, pp.18-29, 2010.
13. Rahib H. Abiyev, Okyay Kaynak. Fuzzy Wavelet Neural Networks for Identification and Control of Dynamic Plants, a Novel Structure and a Comparative Study. *IEEE Transactions on Industrial Electronics*. Vol.55, No.8, 2008, pp.3133-3140.
14. Rahib H. Abiyev, Fuzzy Wavelet Neural Network for Prediction of Electricity Consumption. *AIEDAM: Artificial Intelligence for Engineering Design, Analysis and Manufacturing*. Volume: 23 Issue: 2, pp: 109-118, May 2009.
15. Rahib H. Abiyev, Koray Altunkaya. Neural Network Based Biometric Personal Identification with fast iris segmentation. *International Journal of Control, Automation and Systems*. Vol.7, No.1, 2009.
16. Rafik Aliev, Rahib Abiyev, Mustafa Menekay. Fuzzy Approach to Portfolio Selection Using Genetic Algorithms. *Intelligent Automation and Softcomputing*, Vol.14, No.4, 2008, pp.525-540.
17. Rahib Abiyev, Mustafa Menekay. Fuzzy Portfolio Selection Using Genetic Algorithm. *Soft Computing- A Fusion of Foundations, Methodologies and Applications*, Springer, Berlin/ Heidelberg, march, 2007. pp.1157-1163.
18. Rahib H. Abiyev, Time Series Prediction Using Fuzzy Wavelet Neural Network Model. *ICANN-2006. Lecture Notes in Computer Sciences*, Springer-Verlag, Berlin Heidelberg, 2006. pp.191-200.
19. Rahib Abiyev, Mustafa Menekay. "Fuzzy Genetic System for Modelling of Investment Portfolio". *Lecture Notes in Artificial Intelligence*, Springer-Verlag, Berlin Heidelberg, 2006. pp.701-710.

7.2 Uluslararası diğer hakemli dergilerde yayınlanan makaleler

1. Rahib H. Abiyev, Nurullah Akkaya, Ersin Aytac, Irfan Günsel, and Ahmet Çağman. Improved Path-Finding Algorithm for Robot Soccers. *Journal of Automation and Control Engineering*, Vol.3, No.5, October 2015.
2. Mustafa Tunay, Rahib H. Abiyev. Hybrid Local Search Based Genetic Algorithm and its Practical Application. *International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-5 Issue-2, May 2015*
3. Rahib H. Abiyev. Design of Fractional Order Controllers Using Genetic Algorithms. *British Journal of Mathematics & Computer Science*, ISSN: 2231-0851, Vol.: 4, Issue.: 18 , 2014.
4. Rahib H. Abiyev , Facial Feature Extraction Techniques for Face Recognition. *Journal of Computer Science* 10 (12): 2360-2365, 2014, ISSN: 1549-3636
5. Rahib H. Abiyev, Kemal Kilic. Robust Feature Extraction and Iris Recognition for Biometric Personal Identification, *InTech OpenAccess Publisher*. 2011.
6. Rahib H. Abiyev, Vasif Hidayat Abiyev. Differential Evaluation Learning of Fuzzy Wavelet Neural Networks for Stock Price Prediction. ISSN 1746-7659, England, UK, *Journal of Information and Computing Science*, Vol. 7, No. 2, 2012, pp. 121-130
7. B. Erin, R. Abiyev, and D. Ibrahim. Teaching robot navigation in the presence of obstacles using a computer simulation program. *Procedia – Social and Behavioral Sciences*. Elsevier, Volume 2, Issue 2, 2010, pp. 565-571.
8. Rahib H. Abiyev, Type-2 Fuzzy Wavelet Neural Network for Time-Series Prediction. *IEA-AIE 2010, Trends in Applied Intelligent Systems, Part III, Book Series: Lecture Notes in Artificial Intelligence Volume: 6098 Pages: 518-527 Published: 2010*
9. Rahib H. Abiyev, Kemal Kilic. Adaptive Iris segmentation. *Lecture Notes in Computer Sciences*, Springer-Verlag, Berlin Heidelberg, CS press, 2009.
10. Rahib Abiyev, Koray Altunkaya. Personal Iris Recognition Using Neural Networks. *International Journal of Security and its Applications*, vol.2. No.2, April, 2008.
11. Rahib Abiyev. Recurrent neural network based fuzzy inference system for identification and control of dynamic plants. *World Academy of Science, Engineering and Technology, International Journal on Computer, Information Science and Engineering*. Vol:1, No:7, 2007. pp.250-259.
12. Rahib Abiyev, Koray Altunkaya. Neural Network Based Biometric Personal Identification. *Lecture Notes in Computer Sciences*, Springer-Verlag, Berlin Heidelberg, CS press, 2007.
13. Rahib Abiyev, Fakhreddin Mamedov , Tayseer Al-shanableh. Nonlinear neuro-fuzzy network for channel equalization. *Analysis and Design of Intelligent Systems using Soft Computing Techniques*, Book Series: *Advances in Soft Computing*, V: 41 pp: 327-336 DOI:10.1007/978-3-540-72432-2_33, 2007
14. Rahib Abiyev, Koray Altunkaya. Iris Recognition for Biometric Personal Identification Using Neural Networks. *Lecture Notes in Computer Sciences*, Springer-Verlag, Berlin Heidelberg, 2007.

15. Rahib Abiyev, Fakhreddin Mamedov , Tayseer Al-shanableh. Equalization of Channel Distortions by Using Nonlinear Neuro-fuzzy Network. *Advances in Neural Networks, Lecture Notes in Computer Sciences*, Springer-Verlag, Berlin Heidelberg, 2007.
16. Rahib H. Abiyev. Electricity Consumption prediction model using neuro-fuzzy System. *Transaction on Enformatika*, Budapest, Vol.8,pp.128-131, 2005.
17. Rahib Hidayat Abiyev, Fuzzy Wavelet Neural Network for Control of Dynamic Plants. *International Journal on Computational Intelligence*, V.1;No.2, 2004, pp.163-167.
18. Rahib Hidayat Abiyev. Neuro-fuzzy system for Equalization channel distortion. *International Journal on Computational Intelligence*, 2004, pp.299-302.
19. Rahib Abiyev. Fuzzy inference system based on neural network for technological processes control. *Mathematical and Computational Applications*. Turkey, 2002, pp.245-252.
20. Rahib Abiyev. Genetic Algorithm Synthesis of the Industrial Controllers// *Journal of Applied Science*. Volume 1, N:3, June, 2001,pp.283-286.
21. Fakhreddin Mamedov, Rahib Abiyev and Tayseer Alshanableh. Signal processing system using neural networks for Inspection of Pipelines Corrosion// *Journal of Applied Science*. Volume 1, N:2 April, 2001,pp.117-118.
22. K.M.Kerimov, R.H.Abiyev,T.M.Salehli,T.G.Melikov,F.I.Ibadov. On Multi-dimensional Petrophysical Relations of Oil and Gas Reserviours// *Journal of Geophysics News in Azerbaijan*. Baku, N:4, 1999, pp.23-26.
23. K.M.Kerimov, R.H.Abiyev, T.G.Melikov. Mathematical model of petrophysical characteristics of rocks// *Journal of Geophysics News in Azerbaijan*. Baku, N:3, 1999, pp.35-37.
24. K.M.Kerimov, R.H.Abiyev, T.G.Melikov, E.S.Novruzov. Use of illegible logic to determine oil and gas bearing intervals in beds// *Journal of Geophysics News in Azerbaijan*. Baku, N:2, 1999, pp.33-35.
25. K.M.Kerimov, R.H.Abiyev, T.G.Melikov. Fuzzy system for determination of oil-gas fields productivity// *Journal of Geophysics News in Azerbaijan*. Baku,N:1,1999,pp.13-15.
26. A.A.Abdullayev, R.H.Abiyev, T.G.Melikov, E.S.Novruzov. Improvement of efficiency and productivity of magnetic-telluric sounding// *Journal of Geophysics News in Azerbaijan*. Baku, N:1, 1999, pp.15-16.
27. R.A.Aliev, R.H.Abiyev. Neural controller for defining quality of products// *Neft i Gas*, Baku,N3,1993,66-70pp.(Russian)
28. R.H.Abiyev, R.A.Aliev, and R.R.Aliev, "The synthesis of fuzzy control system with neural networks based tuner". *News of Academy of Sciences, Tech. Cybernetics* N 2: pp.192-197, 1994 (in English and Russian).

7.3 Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

1. Rahib H.Abiyev, Nurullah Akkaya, Ersin Aytac, Irfan Günsel, Ahmet Çağman. Brain Based Control of Wheelchair. *The 2015 World Congress in Computer Science, Computer Engineering, and Applied Computing, ICAI'15*, 27-30 July, Las Vegas, Nevada , USA, 2015
2. Rahib H.Abiyev, Günay Sadikoğlu, Esmira Abiyeva. Fuzzy Evaluation of Job Satisfaction of Hotel Employees. *The 2015 World Congress in Computer Science, Computer Engineering, and Applied Computing, ICAI'15*, 27-30 July, Las Vegas, Nevada , USA, 2015
3. Abdulkader Helwan and Rahib H. Abiyev. IBCIS: Intelligent System for Identification of Breast Cancer. *3-rd IEEE International Conference Advances in Biomedical Engineering*, 2015
4. Mustafa Tunay, Rahib H. Abiyev. Hypercube Optimization Search Algorithm. *Eighth International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control. ICSCCW-2015*, September 3-4, 2015 Antalya, Turkey
5. Rahib H.Abiyev, Nurullah Akkaya, Ersin Aytac, Irfan Günsel, Ahmet Çağman. Development of Brain Computer Interface for Wheelchair. *The International Biomedical Engineering Congress 2015 (IBMEC-2015)*, 12-14 March 2015, Girne, North Cyprus
6. Rahib H.Abiyev, Abdulkader Helwan. Intelligent Breast Cancer Identification System. *The International Biomedical Engineering Congress 2015 (IBMEC-2015)*, 12-14 March 2015, Girne, North Cyprus
7. Rahib H.Abiyev, etc. Improved Path-Finding Algorithm for Robot Soccers. *3rd International Conference on Control, Robotics and Informatics (ICCRI 2014)*, Hong Kong, December 26-28, 2014.

8. Rahib H.Abiyev, Nurullah Akkaya, Ersin Aytac. Control of Soccer Robots using Behaviour. ASCC, June, 2013, Istanbul.
9. Oniz, Yesim; Kaynak, Okyay; Abiyev, Rahib, Spiking Neural Networks for the Control of a Servo System. IEEE International Conference on Mechatronics (ICM), Vicenza, ITALY, Feb 27-Mar 01, 2013
10. Rahib H.Abiyev, Senol Bektas, Nurullah Akkaya, Ersin Aytac. Behaviour Tree Based Decision Making for Soccer Robots. Recent Advances in Mathematical Methods, Intelligent Systems and Matreals. WSEAS conference, Limasol, Cyprus, 2013
11. Rahib H. Abiyev. Wavelet Neural Networks for Image Compression, 1st International Symposium on Digital Forencies and Security, ISDFS 2013, 20-21 May, 2013, Elazig.Turkey.
12. Rahib H.Abiyev, Okyay Kaynak, Yesim Oniz, Spiking Neural Networks for Identification and Control of Dynamic Plants. 2012 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, July 11-14, 2012, Taiwan.
13. Rahib H.Abiyev, Kaan Uyar, Elbrus Imanov, Rifat Dover. Bhaviour Based Mobile Robot Navigation in 3D Workspace. ICAFS-2012, Lissabon, 2012.
14. Rahib H.Abiyev, Nurullah Akkaya, Ersin Aytac. Navigation of Mobile Robot in Dynamic Environments. IEEE International Conference on Computer Science and Automation Engineering CSAE 2012, Zhangjiajie, China, May 25-27, 2012,
15. Ayse Cisel Aras; Kaynak, Okyay; Abiyev, Rahib. Slip control of a quarter car model based on type-1 fuzzy neural system with parameterized conjunctions. IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society . 2012 , pp: 2488 – 2493
16. Ayse Cisel Aras, Yesim Oniz, Okyay Kaynak, Rahib Hidayat Abiyev: Type-1 and Type-2 Fuzzy Control of an Anti-lock Breaking System (ABS) and Evaluation of Its Performances. ICINCO (1) 2011: 503-508
17. Rahib H. Abiyev, Type-2 Fuzzy Wavelet Neural Network Based on Clustering and Gradient Techniques for Stock Price Prediction.ICSCCW-2011, Antalya, Turkey, 1-3 September, 2011
18. Oniz, Y.; Aras, A.C.; Kaynak, O.; Abiyev, R. Experimental evaluation of a type-2 fuzzy control algorithm on an Anti-Lock Braking System. IECON 2011 - 37th Annual Conference on IEEE Industrial Electronics Society. 2011 , pp: 564 - 568
19. Y. Oniz, E. Kayacan, A.C. Aras, O. Kaynak and R. Abiyev. A Servo System Control with Time-varying Load using Type-2 Fuzzy Neural System. IECON 2010: 36th Annual Conference of the IEEE Industrial-Electronics-Society, NOV 07-10, 2010 Glendale, AZ. Book Series: IEEE Industrial Electronics Society
20. Erdal Kayacan, Okyay Kaynak, Rahib Abiyev, Jim Torresen and Mats Hovin. Design of an Adaptive Interval Type-2 Fuzzy Logic Controller for the Position Control of a Servo System with an Intelligent Sensor. 2010 IEEE International Conference on Fuzzy Systems. FUZZ-IEEE 2010, July 18-23, Barselona, Spain.
21. A.C. Aras, E. Kayacan, Y. Oniz, O. Kaynak and R. Abiyev, "An Adaptive Neuro-Fuzzy Architecture for Intelligent Control of a Servo System and its Experimental Evaluation," Proc. of the IEEE ISIE 2010 International Symposium on Industrial Electronics, Bari, Italy, pp. 68-73, 4-7 July 2010.
22. Rahib H. Abiyev, Kemal Kilic. An efficient Fractal Measure for Image Texture Recognition. International Conference on Soft Computing and Computing with Words in System Analysis, Decision and Control ICSCCW-2009, North Cyprus, Turkey, 2009
23. Rahib H. Abiyev, Okyay Kaynak. Identification and Control of Time-Varying Plants Using Type-2 Fuzzy Neural System IEEE International Joint Conference on Neural Networks, Vol:1- 6, CE press, June 14-19, 2009, Atlanta, Georgia (USA).
24. Rahib H. Abiyev, Okyay Kaynak. Identification and Control of Dynamic Plants Using Fuzzy Wavelet Neural Networks. Processing of the 2008 IEEE International Symposium on Intelligent Control, CE press, pp.31-37, September 3-5, 2008, San Antonio, Texas (USA)
25. Rahib H. Abiyev, Adalet N. Abiyev, Kamil Dimililerç The Walsh Functions Based Method for Reactive Power Measurement. IEEE IECON 2007, CS press.
26. Rahib H. Abiyev, Tayseer Al-shanableh. Neuro-Fuzzy Network for Adaptive Channel Equalization. 5th Mexican International Conference on Artificial Intelligence. IEEE CS press. MICAI 2006. Apizaco, Mexico November 13-17, 2006
27. Rahib H. Abiyev, Mustafa Menekay. Fuzzy Portfolio Selection Using Genetic Algorithm. International Conference on Hybrid Information Technology. ICHIT 2006, Cheju Island, Korea, November 9-11, 2006.
28. Rahib Hidayat Abiyev, Mustafa Menekay: Fuzzy Genetic System for Modelling Investment Portfolio. PRICAI 2006: 701-710

29. Rahib Hidayat Abiyev, Controller based on Fuzzy Wavelet Neural Network for Control of Technological Processes. IEEE International Conference on Computational Intelligence for Measurement Systems and Applications, IEEE CIMSA 2005, Giardini Naxos - Taormina, Sicily, ITALY , 20-22 July 2005.
30. Rahib Abiyev, Mustafa Menekay. Fuzzy systems for risk return optimization in investment Portfolio. International Conference on Soft Computing and Computing with Words in System Analysis, Decision and Control (Dedicated to Professor Lotfi Zadeh), ICSCCW-2005, Antalya, Turkey, September 1-2,2005.
31. Rahib H. Abiyev, Mustafa Menekay, Fuzzy Genetic Algorithm for Portfolio modeling in investment, 2nd International Conference On Intelligent Knowledge Systems IKS-2005 06-08 July 2005 Istanbul, Turkey
32. Rahib Hidayat Abiyev, Fuzzy Wavelet Neural Network for Control of Dynamic Plants. International Conference on Computational Intelligence. ICCI-2004, Istanbul, Turkey, Desember 17-19, 2004.
33. Rahib Abiyev, Rafik Aliev, Mustafa Menekay. Fuzzy portfolio optimization using Genetic Algorithms. 6-th International Conference on Application of Fuzzy Systems and Soft Computing. ICAFS-2004. Barcelona, Spain, September 28-30, 2004.
34. Rahib Abiyev, Mehmet Ali Salahli, Controller Based on Wavelet Neural network. 4-th International Symposium on Intelligent Manufacturing Systems. IMS'2004, Sakarya, September 6-8, 2004.
35. Rahib Abiyev, Mustafa Menekay. Fuzzy Expert System for Bank Credit Authorization. International Conference on Information Technologies and Engineering, ICITE-2004, September 01-04, 2004, Çesme, Izmir, Turkey
36. Rahib Abiyev, Shahin Ahmedov. Fuzzy Expert System In Medical Diagnosis of the Chest Pain. International Conference on Application of Information-Communication Technologies in Science and Education, Baku, Azerbaijan, September 15-16, 2004
37. Rahib Hidayat Abiyev. Neuro-fuzzy system for Equalization channel distortion. International Conference on Signal Processing, ICSI2004,Chanakkale, Turkey, 2004, February.
38. Rahib Abiyev, Fakhreddin Mamedov , Tayseer Al-shanableh. Neuro-fuzzy system for Channel noise Equalization. International MultiConference in Computer Science & Computer Engineering. International Conference on Artificial Intelligence.IC-AI'04, Las Vegas, Nevada, USA, June 21-24, 2004
39. Rahib Abiyev, Mustafa Menekay. Linear programming models for portfolio selection. Second International Conference on Soft Computing and Computing with Words in System Analysis, Decision and Control (Dedicated to Professor Lotfi Zadeh), ICSCCW-2003, Antalya, Turkey, September 6-8,2003.
40. Rahib Abiyev. Neuro-Fuzzy system for technological processes control. The 6th World Multi-Conference on SYSTEMICS, cybernetics and informatics. SCI-20002, Orlando, Florida, USA. July 14-18, 2002
41. .Fakhreddin Mamedov, Rahib Abiyev. Neural equalizer for channel distortion// Fifth International Conference on Application of Fuzzy Systems and Soft Computing, ICAFS-2002, Milan, Italy, September 17-19,2002.
42. Rahib Abiyev. Controller based on recurrent neural network for technological processes control. XXII International Congress on Operation Research and Industrial Engineering. OR/IE'01, Ankara Turkey, July 4-6, 2001,pp.65.
43. Fakhreddin Mamedov, Rahib Abiyev. Channel equalization using recurrent neural network// First International Conference on Soft Computing and Computing with Words in System Analysis, Decision and Control (Dedicated to Professor Lotfi Zadeh), ICSCCW-2001, Antalya, Turkey, June 6-8,2001,pp.327-330.
44. Fakhreddin Mamedov, Rahib Abiyev. Fuzzy Neural modeling of the nonlinear processes in condition of uncertainty // World Conference on Intelligent Systems for Industrial Automation, WCIS-2000, Tashkent, Uzbekistan, September 14-16, 2000, pp.310-315.
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46. Fakhreddin Mamedov, Rahib Abiyev. Signal processing system using radial-basis neural network// IEEE NORDIG Signal Processing Symposium, June 13-15, 2000, Kolmarden, Sweden, NORSIG 2000, pp.263-265.
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49. M.T.Abasov,R.A..Sadykov,R.Y.Aliyarov,J.M.Kondryushkin,R.H.Abiyev.Fuzzy neural networks in the systems of oil and gas geology and geophysics./ International Conferences on Application of Fuzzy Systems and Softcomputing, ICAFS-98, Wiesbaden, Germany, October 5-7, 1998, pp.108-117.
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7.4 Yazılan uluslararası kitaplar veya kitaplarda bölümler

1. Abdulkader Helwan, Rahib Abiyev. Intelligent Breast Cancer Identification System. LAP Lambert Academic Publishing (March 31, 2015), ISBN-10: 3659689769, ISBN-13: 978-3659689765, pp.96.
2. Rahib H.Abiyev, Kemal I.Kilic. Robust Feature Extraction and Iris Recognition for Biometric Personal Identification. Biometrics. Edited by: Zahid Riaz ISBN 978-953-307-542-6, INTECH Open Access Pub., 2011
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5. Rahib Abiyev, Dogan Ibrahim. Programming in C. NEU-press, Nicosia, 2011, 200p.
2. Rahib Abiyev, Kemal Kilic. Robust Feature Extraction and Iris Recognition for Biometric Personal Identification. Biometrics. Edited by: Zahid Riaz ISBN 978-953-307-542-6, INTECH Open Access Pub., 2011
3. Rahib Abiyev, Fakhreddin Mamedov , Tayseer Al-shanableh. Nonlinear Neuro-fuzzy Network for Channel Equalization. Advances in Soft Computing, Springer, Berlin Heidelberg, 2007.
4. Rahib Abiyev. "Algorithms", NEU-Press, Nicosia, 2006. 209p.
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7. Rahib Abiyev. C Programming Laboratory. NEU-press, Nicosia, 2002
8. Adnan Khasman, Rahib Abiyev. Graduation Project: A complete guide. (first edition). Near East University. Nicosia, 2001,34p.
9. R.H.Abiyev. Intelligent systems based of neural networks. Methodical works, Azerb.SOA,Baku,1997,32p.(Russian).

7.5 Ulusal hakemli dergilerde yayınlanan makaleler

1. Rahib Abiyev, Dogan Ibrahim, and Besime Erin.. Fuzzy obstacle avoidance in the navigation of mobile robots. 6st FAE International Symposium "Creating the Future". EUL Science Journal, Lefke, TRNC, Turkey, 2010
2. R.A.Sadichov, R.H.Abiyev. Intelligent system for estimation of the collector property of rock by solving petrophysical equations// Scientific and pedagogic news of "Odlar Yurdu" university. N:2,1999,pp.34-39. (Russian)

3. I.H.Muratov, R.H.Abiyev, R.R.Aliev. Learning systems based on neural networks for control technological processes //“Intelligent control and decision making systems”. Thematic collected articles, N:1, Azerb.SOA,Baku-1997,pp.43-49(Russian)
4. B.A.Abbasov,R.H.Abiyev. Adaptive fuzzy controller for technological process control// High Military Sea School,“Materials of scientific research works”, N1, Baku, 1998, (Russian)
5. R.H.Abiyev. Fuzzy neural network for solution of problems of oil and gas geology// Oil and future of Azerbaijan. The research works of younger scientists. Baku. AIOC,1998. (Russian)
6. R.A.Sadichov, R,H,Abiyev. Fuzzy neural network modelling of oil and gas geology systems// “Intelligent control and decision making systems”. Thematic collected articles, N:2, Azerb.SOA,Baku-1998,pp.83-92.(Russian)
7. R.H.Abiyev, G.Mustafaeva. Neural controller with genetic algorithm// High Military Sea School,“Materials of scientific research works”, N1, Baku, 1997, pp.65-68(Russian)
8. R.H.Abiyev. Controllers based on neural networks// Uchenie zapiski, AzGNA, 1995, 147-152pp.(Russian)
9. R.H.Abiyev, R.R.Aliev. Neural controller for control of technological processes// Uchenie zapiski, AzGNA,N2, Baku-1994,88-97pp.(Russian).
10. R.H.Abiyev. Synthesis of neural network structure for neural controller, defining quality of productions// Uchenie zapiski, AzGNA,N3, Baku-1993,103-106pp. (Russian)
11. R.A.Aliev, R.H.Abiyev. Development model of neural controller for control of the quality of products// Uchenie zapiski, AzGNA,N1, Baku-1993,73-78pp.(Russian)

7.5. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. Rahib H.Abiyev, Nurullah Akkaya, Ersin Aytac, Irfan Günsel, Ahmet Çağman. Development of Brain Computer Interface for Wheelchair. The International Biomedical Engineering Congress 2015 (IBMEC-2015), 12-14 March 2015, Girne, North Cyprus
2. Rahib H.Abiyev, Hussain Mohammed. Isolated Word Recognition, ISEAIA 2013, Girne, TRNC, 6-8 November,2013.
3. Rahib H. Abiyev. Wavelet Neural Networks for Image Compression, 1st International Symposium on Digital Forensics and Security, ISDFS 2013, 20-21 May, 2013, Elazig.Turkey.
4. Rahib H.Abiyev, Hussein Mohammed. Isolated Word Recognition, ISEAIA 2013, Girne, TRNC, 6-8 November,2013.
5. Rahib H. Abiyev. Type-2 Fuzzy Neural System For System Identification and Control. 7th FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, November 28-December 1, 2012.
6. Rahib H.Abiyev. Type-2 Fuzzy Neural Network for System Identification and Control. EEECS 2012, International Symposium "Creating the Future". Lefke, TRNC, Turkey, November, 2012
7. Rahib Abiyev, Dogan Ibrahim, and Besime Erin.. Fuzzy obstacle avoidance in the navigation of mobile robots. 6st FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, November 26-30, 2010
8. Rahib H.Abiyev. Biometric Identification using Fast localization and Recognition of Iris Images. International Symposium on Network and Information Security. Girne, TRNC, Turkey, May 16-18, 2008
9. Rahib H. Abiyev. Neural Network Based Type-2 Fuzzy System For Identification and Control of Dynamic Plant. . 4th FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, November 30-December 1, 2006.
10. Rahib H. Abiyev. Fuzzy Wavelet Neural Network for Time Series Prediction. 3rd International Symposium on Electrical, Electronic and Computer Engineering. ISEECE2006. Nicaosia, TRNC, Turkey, November 24-25, 2006, pp.269-274.
11. Rahib Abiyev, Mustafa Menekay. Fuzzy Genetic system for Portfolio optimization. 3rd FAE International Symposium "Creating the Future".Lefke,TRNC,Turkey,November 25-26, 2004.
12. Rahib Abiyev, Mehmet Ali Salahli, Development of Wavelet Neural Network based Controller . 3rd FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, November 25-26, 2004.
13. Rahib Abiyev, Mustafa Menekay, Vasif Abiyev, Ali Denker. Quadratic programming and its application to fuzzy Portfolio Optimization. ICCI2004. Nicaosia, TRNC, Turkey, May 27-29, 2004, pp.148-153.
14. Rahib Abiyev, Fakhreddin Mamedov , Tayseer Al-shanableh. Adaptive Equalization of Channel Distortion Using Recurrent Neuro-fuzzy Network. International Journal of Computational Intelligence. ICCI2004. Nicaosia, TRNC, Turkey, May 27-29, 2004, pp.154-157
15. Fakhreddin Mamedov, Rahib Abiyev, Tayser Alshanableh. Recurrent Neural Network for Equalization of Channel Distortion. Electrical, Electronics and Computer Engineering Symposium NEU-CEE2004. Nicaosia, TRNC, Turkey, March 11-13, 2004, pp.256-260.

16. Rahib Abiyev. Recurrent Neural Network Systems for Control of Dynamic Plants. 2nd FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, 6-7 November, 2002.
17. Rahib Abiyev. Controllers based on Softcomputing elements// Electrical, Electronics and Computer Engineering Symposium NEU-CEE2001 & Exhibition. Nicaosia, TRNC, Turkey, May 23-25, 2001, pp.182-188.
18. Fahreddin Mamedov, Rahib Abiyev and Tayseer Alshanebleh. Petrol ve Gas boru hatlarinde sinir agi kullanarak yenim denetimi yapan sinyal isletme sistemi// IEEE Sinyal Isleme ve Uygulamaları Kurultayı, SIU'2001, Dogu Akdeniz Universitesi, Gazimagusa, KKTC, Mersin, Turkiye, 2001, 25-27 nisan, pp.468-471.
19. R.H.Abiyev. Evaluation of rocs collector properties by solving petrophysical equations on the base of learning systems.// State-of-art understanding of the geophysics methods to control exploitation of Oil and Gas deposits and improvement those works, Materials of scientific seminar. Baku, 1998,august 24-25.(Azerb.)
20. R.H.Abiyev. Fuzzy neural systems with trapezoid parameters for control technological processes// Republic conferences of younger scientists, Baku-1997.(Russian)

7.7. Diğer yayınlar

1. Rahib Abiyev, Nurullah Akkaya, Ersin Aytac, Mustafa Arici, Muhlis Bayezit. NEUIslanders 2012 Team Description Paper. http://small-size.informatik.uni-bremen.de/_media/neuislanders_2012_tdp.pdf
2. H Rahib, Assist Prof Dr Irfan GUNSEL, Nurullah AKKAYA, Ersin AYTAC, Murat ARSLAN, Fatih EMREM, Gorkem SAY, Ahmet CAGMAN, Senol KORKMAZ, Ilker DAGLI, Mustafa ARICI. NEUIslanders 2014 Team Description Department of Computer Engineering. RoboCup 2014

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8. Projeler

- 2010 cı yılında Prof.D.Rahib H.Abiyevin yönetmenliği altında YDÜ.de "**NEUIslanders**" robot futbol takımını kuruldu. 2012 cı yılından başlayarak takım her yıl Uluslararası RoboCup yarışmalarına katılırlar.
- 2005 cı yılında Prof.D.Rahib H.Abiyevin yönetmenliği altında YDÜ.de **Robotiks araştırma grupunu** kuruldu. Robotik takım çok sayıda Uluslararası ve Ulusal robot yarışmalarına katıldı ve çok iyi sonuçlar elde etdiler.
- 2001 cı yılında Prof.D.Rahib H.Abiyev YDÜ.de **Uygulamalı Yapay Zeka Araştırma Merkezini** kurdu. Bu merkezde çok sayıda Doktora ve Master tezleri yapıldı.

TUBITAK bilimsel araştırma projeleri

- 1) Yüku zamana göre deęşen DC motorun kontrolu için tip-2 Bulanık Ağ Sistemi (Bogazici Üniversitesi ile birlikte) - *Proje Görevlisi*

T.C. / KKTC bilimsel araştırma projeleri

- 1)Yapay Sınır agları kullanarak iris tanınması. (YDÜ/5-07-2) - *Proje Yürütücüsü*
- 2) Elektrik tüketimini tahmin etmek için Bulanık Wavelet Sınır Ağı - *Proje Görevlisi*
- 3) Otonom hareket eden akıllı robotlar tasarlanması (Yakın Dogu Üniversitesi Otonom Robot Futbol Takımının yapılması ve Uluslararası Robocup 2011 yarışmasına katılması) (YDÜ/2010-1-04) - *Proje Yürütücüsü*

9. İdari Görevler

- Öncü Konuk Editor, Özel Sayı "Fusion of Computational Intelligence Techniques and Their Practical Applications", Computational Intelligence and Neuroscience Journal
- Uygulamalı Yapay Zeka Araştırma Merkezinin müdürü
- Bilgisayar Mühendisliği Bölüm Başkanı (2009-2014)
- Bilgisayar Mühendisliği Bölüm Başkanı Vekili (2002-2009)
- Uygulamalı Yapay Zeka Araştırma Merkezinin kurucu müdürü
- Üniversite senatoru
- Fen Bilimler Enstiyüsü Yönetmi Kurulu Üyesi
- PhD. Ve MSc. Thesis Yönetmenlyi

- PhD. ve MSc. Sınav Jüri üyesi (Bilgisayar Mühendisliği Bölümü ve Elektrik & Elektronik Mühendisliği Bölümü)
- PhD. ve MSc. Sınavları için Jüri Başkanı (Bilgisayar Mühendisliği Bölümü, 2002-2014)
- Bilgisayar Mühendisliği Bölümünde Sözlü Mezuniyet Proje Sınav Jürisinin Başkanı, 2002-2014.

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

Bilimsel Kuruluşlara Üyelikler

- IEEE üyesi
- "Computational Intelligence Society" üyesi
- "Industrial Electronics Society" üyesi

Konferans Başkanı

1. International Conference on Computer Science, ICCS2006, Vienna, March 29-31, 2006

Konferans Bilim Kurulu Üyeliği

1. International Conference on Pattern Recognition Applications and Methods, ICPRAM 2015, 10-12 January, Lisbon, Portugal. <http://www.icpram.org/Home.aspx?y=2014/>
2. GS International Multi-Conference on Science and Technology 2014 (GS-MICST 14), November 07-09, 2014, Dubai, UAE, <http://www.gspublishers.com/conferences/gsmicst14/tcp.html>
3. International Biomedical Engineering Congress 2014 (IBMEC-2014), 19-23 November, Girne, North Cyprus, <http://con.neu.edu.tr/ibmec/>
4. Turkish National Meeting on Automatic Control (TOK2014 - Otomotik Kontrol Ulusal Toplantısı ve Sergisi)., Kocaeli, Turkey, 11-13 September, 2014, <http://tok2014.kocaeli.edu.tr/kurullar.html>
5. 2nd International Conference on E-Health and TeleMedicine., Istanbul, Turkey, 22-24 May, 2014, <http://www.icehtm.net/>
6. The second International Symposium On Engineering, Artificial Intelligence And Applications, ISEAIA-2014, 5-7 November 2013, Girne American University, Cyprus. <http://iseaia2014.gau.edu.tr/>
7. The First International Symposium on Digital Forensics and Security (ISDFS), Advisory Board, Elazığ, Turkey, 20-21 May 2013
8. Turkish National Meeting on Automatic Control (Otomotik Kontrol Ulusal Toplantısı ve Sergisi). TOK2013, Malatya, Turkey, 26-28 September, 2013, <http://tok2013.inonu.edu.tr/index.php/page/index/mainpage>
9. The first International Symposium On Engineering, Artificial Intelligence And Applications, ISEAIA-2013, 6-8 November 2013, Girne American University, Cyprus. <http://iseaia2013.gau.edu.tr/>
10. 7th FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, October, 2012
11. 6th FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, October, 2010.
12. 5th FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, October, 2008.
13. Ağ ve Bilgi Güvenliği Ulusal Sempozyumu. TMMOB Elektrik Mühendisleri Odası, Girne, May 16-18, 2008
14. International Conference on Business and Economics, 2007
15. International Conference on Computer Science, ICCS2006, Budapest, May 26-28, 2006
16. Fifteenth Turkish Symposium on Artificial Intelligence and neural Networks. TAIN 2006, June 21-23, 2006, Mugla, Turkey
17. 4th FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, November 30-December 1, 2006.
18. 3rd International Symposium on Electrical, Electronic and Computer Engineering. ISEECE2006. Nicaosia, TRNC, Turkey, November 24-25, 2006, pp.269-274.
19. International Conference on Machine Intelligence. ICMI-2005, Budapest, Hungary, October 8-9, 2005.
20. International Conference on Computational Intelligence. ICCI-2004, Istanbul, Turkey, December 17-19, 2004.
21. 3rd FAE International Symposium "Creating the Future". Lefke, TRNC, Turkey, November 25-26, 2004.
22. International Conference on Computational Intelligence. ICCI-2004, Istanbul, Turkey, December 17-19, 2004
23. International Conference on Signal Processing, ICSI2004, Chanakkale, Turkey, 2004, February.

Konferans Yürütme Kurulu Üyeliği

1. The 2nd International Conference on Computational and Network Technologies 2014 (ICCNT), 2-4 December, 2014, Bali, Indonesia, <http://scholarsconvention.com/iccnt/organizing>

2. Sixth International Conference on Soft Computing, and Computing with Words and Perceptions in System Analysis, Decision and Control. September 1-2, ICSCCW-2011, Antalya, 2011
3. Fourth International Conference on Soft Computing, and Computing with Words and Perceptions in System Analysis, Decision and Control. August 27-28, ICSCCW-2007, Antalya, 2007
4. 3rd International Symposium on Electrical, Electronic and Computer Engineering. ISEECE2006. Nicaosia, TRNC, Turkey, November 24-25, 2006, pp.269-274.
5. International Conference on Computational Intelligence. ICCI2004. Nicaosia, TRNC, Turkey, May 27-29, 2004, pp.148-153.
6. International Conference on Application of Fuzzy Systems and Soft Computing, ICAFS-2006, Germany, September 11-12,2006.
7. International Conference on Soft Computing, and Computing with Words and Perceptions in System Analysis, Decision and Control. ICSCCW-2007, Antalya, August 27-28,2007.
8. International Conference on Soft Computing, and Computing with Words and Perceptions in System Analysis, Decision and Control. ICSCCW-2011, Antalya, September 01-02,2011.

11. Ödüller

- Araştırma için Yüksek başarı ödülü, Yakın Doğu Üniversitesi, Mart 2011.
- Araştırma için Yüksek başarı ödülü, Yakın Doğu Üniversitesi, Mart 2010.
- Araştırma için Yüksek başarı ödülü, Yakın Doğu Üniversitesi, Mart 2009.
- Araştırma için Yüksek başarı ödülü, Yakın Doğu Üniversitesi, Kasım 2008.
- 1998.cı yılda Bakü. Azerbaycanda “Petrol ve Azerbaycanın Geleceği” konusunda genc bilim adamları arasında yapılan yarışmanı kazanma diplomu

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Academic year	Semester	Course name	Weekly hours		Number of Students
			Lecture	Application	
2012-2013	Fall	Algorithms	4h	1h	52
		C programming	4h	2h	46
		Pattern Recognition	4h	2h	18(Master students)
	Spring	Object Oriented Programming	4h	2h	54
		Advanced Object Orient. Programming (using C#)	4h	2h	42
		Design and Analysis of Algorithms	4h	1h	15(Master students)
2013-2014	Fall	Signals and Systems	4h	2h	56
		Object Oriented Programming	4h	2h	32
		Pattern Recognition	4h	2h	18(Master students)
	Spring	Object Oriented Programming	4h	2h	21
		Signals and Systems	4h	2h	46
		Linear and Nonlinear Programming	4h	2h	15(Master students)
2014-2015	Fall	Signals and Systems	4h	2h	68
		Object Oriented Programming	4h	2h	32
		Fuzzy Systems	4h	2h	16(Master students)