



GÜR EMRE GÜRAKSIN

**AFYON KOCATEPE UNİVERSİTY ENGINEERING FACULTY / COMPUTER
ENGINEERING DEPARTMENT / AFYONKARAHİSAR**

Work: +90 (272) 228 14 23

E-mail: emreguraksin@aku.edu.tr

PERSONAL INFORMATION

Nationality : T.C
Birth Place : Erzurum
Date of Birth : 24/07/1980
Adress : Afyon Kocatepe University Campus of Ahmet Necdet Sezer
Engineering Faculty Computer Engineering Department
Marital Status : Married

EDUCATION

2015 Phd - Selçuk University, Computer Engineering Department (KONYA)
2009 MS - Afyon Kocatepe University, Computer Department (AFYONKARAHİSAR)
2005 BS - Atılım University, Computer Engineering Department (ANKARA)

WORK EXPERIENCE

06/2005–10/2005 Telsim Telecommunication IC / İSTANBUL
RAN/NMC Engineer
2005–..... Afyon Kocatepe University, Engineering Faculty, Computer
Engineering Department / AFYONKARAHİSAR

RESEARCH INTEREST

- Artificial Intelligence
- Image Processing
- Data Mining

TRAINING and SEMINARS

- Adobe Photoshop (2006)
- Programming a Microsoft SQL Server Database (2006)
- Developing Microsoft .NET Applications For Windows (2006)
- Introduction To C# Programming With Microsoft .NET (2006)
- Adobe Macromedia Flash 8.0 (2006)
- Developing Microsoft ASP.NET Web Applications Using Visual Studio.NET (2006)
- Administering a Microsoft SQL Server Database (2006)
- Programming with ADO.NET 2005 (2006)
- Visual Studio 2010: Enterprise Applications (2010)

CERTIFICATES

- Developing Microsoft ASP.NET Web Applications Using Visual Studio.NET (2006)
- Administering a Microsoft SQL Server Database 2005 (2006)
- Programming a Microsoft SQL Server Database 2005 (2006)
- Developing Microsoft .NET Applications For Windows (2006)
- Introduction To C# Programming With Microsoft .NET 2005 (2006)
- Programming with ADO.NET 2005 (2006)
- Adobe Flash 8 (2007)
- Adobe Photoshop CS2 (2007)
- Visual Studio 2010: Enterprise Applications (2010)

PROJECTS

- “Kalp Seslerinin Sayısal Analiz Yöntemleri ile Sınıflandırılması” , BAP, (2007-2009)
- “Biyomedikal karar verme: Yapay Zeka ile Çıkarım ve Karar Desteği” , BAP, (2015-2015)

ACADEMIC EXPERINECE:

- VII. Ceramic Congress with International Participation 2008 (Organising Committee)
- Afyon Kocatepe University Journal of Science and Engineering 2009-2011 (Publication Coordinator)
- 8th International Marble and Natural Stone Congress 2012 (Executive Committee)
- XIth Regional Rock Mechanics Symposium 2014 (Working Committee)
- IEEE International Conference on Computational Science and Engineering 2014 (Technical Program Committee)
- The First International Conference on Big Data, Small Data, Linked Data and Open Data 2015 (Technical Program Committee)
- The Second International Conference on Big Data, Small Data, Linked Data and Open Data 2016 (Technical Program Committee)

NATIONAL CONFERENCE AND SYMPOSIUM PAPERS:

- G. E. Güraksın, G. İnce Türker, F. Hakkari, M. Doğan, " Security Of Web Based Learning Systems And Alternative Coding For User-Login ", Akademik Bilişim 2007, 31 January-2 February 2007, Kütahya/TURKEY
- G.E. Güraksın, U. Ergün, Ö. Deperlioğlu, "Performing Discrete Fourier Transform Of The Heart Sounds On The Pocket Computer", 14th National Biomedical Engineering Meeting, 20-24 May 2009, İzmir/TURKEY
- G.E. Güraksın, H. Uğuz, " Computer-Based Bone Age Assessment with Support Vector Machines ", National Conference of Medical Technologies, 13-16 October 2011, Antalya/TURKEY
- Ö. Deperlioğlu, G.E. Güraksın, U. Köse, "The Role of IT Training in Turkish Educational System", Akademik Bilişim, 5-7 February 2014, 615-621, Mersin/TURKEY
- U. Köse, G.E. Güraksın, Ö. Deperlioğlu, "Diabetes Determination via Vortex Optimization Algorithm Based Support Vector Machines", National Conference of Medical Technologies, 15-17 October 2015, Bodrum/TURKEY
- Ö. Deperlioğlu, G.E. Güraksın, U. Köse, " Web-Based Decision Support Systems: Features and Development, Akademik Bilişim, 3-5 February 2016, Aydın/TURKEY

INTERNATIONAL CONFERENCE AND SYMPOSIUM PAPERS:

- Ö. Deperlioğlu, G. E. Güraksın, N. Karasekreter, "DC-DC Power Converters Control With Fuzzy Logic", International Workshop on Nonlinear Signal and Image Processing, 10-12 September 2007, Bucharest/ROMANIA
- G.E. Güraksın, U. Ergün, Ö. Deperlioğlu, "Classification of the Heart Sounds via Artificial Neural Network", International Symposium on Innovations in Intelligent Systems and Applications, 29 June-1 July 2009, Trabzon/TURKEY
- U. Ergün, Ö. Deperlioğlu, G.E. Güraksın, H. Uğuz, "Classification of the Heart Sounds with Wavelet Neural Network", International Symposium on Innovations in Intelligent Systems and Applications, 21-24 June 2010, Kayseri/TURKEY
- H. Uğuz, G.E. Güraksın, U. Ergün, "Detection of Heart Valve Diseases Using Artificial Neural Network, Discrete Wavelet Transform, and Principal Component Analysis", The 7th

International Conference on Computing and Information Technology, 11-12 May 2011, , Bangkok/THAILAND

- H. Haklı, G.E. Güraksın, H. Uğuz, "Training Support Vector Machines by Using Particle Swarm Optimization and a Bone Age Example", 26th European Conference on Operational Research, 1-4 July 2013, Rome/ITALY (Abstract)
- Ö. Deperlioğlu, G.E. Güraksın, U. Köse, "Biomedical Decision Making: Reasoning and Decision Support with Artificial Intelligence", International Congress on Natural and Engineering Sciences, 9-13 September 2015, Sarajevo, Bosnia and Herzegovina (Abstract)
- U. Köse, G. E. Güraksın, Ö. Deperlioğlu, "Improving Underwater Image Quality via Vortex Optimization Algorithm", International Multidisciplinary Conference, 21-22 April 2016, Antalya/TURKEY.
- Ö. Deperlioğlu, U. Köse, G. E. Güraksın, "The Role of Vocational School in Turkish Education System: Expectations, Present Stuation and Recommendations", International Vocational Schools Symposium, 18-20 Mayıs 2016, Prizren/KOSOVO.
- G. E. Güraksın, U. Köse, Ö. Deperlioğlu, "Underwater Image Enhancement Based On Contrast Adjustment via Differential Evolution Algorithm", International Symposium on Innovations in Intelligent Systems and Applications, 2-5 August 2016, Sinaia/ROMANIA

SCI INDEXED JOURNAL PAPERS:

- H. Uğuz, G.E. Güraksın, U. Ergün, R. Saraçoğlu, "Biomedical System Based on the Discrete Hidden Markov Model Using the Rocchio–Genetic Approach for the Classification of Internal Carotid Artery Doppler Signals", Computer Methods and Programs in Biomedicine, 103 (1), 51-60, 2011.
- G.E. Güraksın, H. Uğuz, "Classification of Heart Sounds Based on the Least Squares Support Vector Machine", International Journal of Innovative Computing, Information and Control, 7 (12), 7131-7144, 2011.
- G.E. Güraksın, H. Haklı, H. Uğuz, "Support vector machines classification based on particle swarm optimization for bone age determination", Applied Soft Computing, 24, 597-602, 2014.
- G.E. Güraksın, H. Uğuz, Ö.K. Baykan, "Bone age determination in young children (newborn to 6 years old) using support vector machines", Turkish Journal of Electrical Engineering & Computer Sciences, 24 (3), 1693-1708 , 2016.

NON-SCI INDEXED JOURNAL PAPERS:

- G.E. Güraksın, U. Ergün, "Normal ve Normal Olmayan Kalp Seslerinin Yapay Sinir Ağları ile Sınıflandırılması", e-Journal of New World Sciences Academy, 4 (4), 559-570, 2009.
- G.E. Güraksın, U. Ergün, Ö. Deperlioğlu, "Classification of the Heart Sounds via Artificial Neural Network", International Journal of Reasoning Based Intelligent Systems, 2, 3/4, 272-278, 2010.
- Ö. Deperlioğlu, U. Ergün, G.E. Güraksın, "Design of ANFIS Controller for DC-DC Step-Down Converter", Afyon Kocatepe University Journal of Science and Engineering, 10(1), 17-29, 2011.

- U. Köse, G. E. Güraksın, Ö. Deperlioğlu, "Cognitive Development Optimization Algorithm Based Support Vector Machines for Determining Diabetes", Broad Research in Artificial Intelligence and Neuroscience, 7(1), 80-90, 2016.

BOOK CHAPTERS:

- G.E. Güraksın, U. Ergün, Ö. Deperlioğlu, "The Analysis of Heart Sounds and a Pocket Computer Application via Discrete Fourier Transform", Intech, 167-182, , 2011.

JOURNAL REVIEWING:

- Scientific Research and Essays
- Journal of Medical Systems
- Applied Soft Computing
- Information Sciences
- Neural Computing and Applications
- Journal of Engineering Research

CONFERENCE AND SYMPOSIUM REVIEWING:

- IEEE International Conference on Computational Science and Engineering 2014 (CSE2014)
- The First International Conference on Big Data, Small Data, Linked Data and Open Data 2015 (ALLDATA2015)
- The Second International Conference on Big Data, Small Data, Linked Data and Open Data 2016 (ALLDATA2016)

EDITED BOOKS:

- Proceedings of the eighth international marble and natural stone congress, 2014

PUBLICATIONS CITED:

- G.E. Güraksın, H. Uğuz, "Classification of Heart Sounds Based on the Least Squares Support Vector Machine", International Journal of Innovative Computing, Information and Control, 7 (12), 7131-7144, 2011. (5 Times)
- H. Uğuz, G.E. Güraksın, U. Ergün, R. Saraçoğlu, "Biomedical System Based on the Discrete Hidden Markov Model Using the Rocchio–Genetic Approach for the Classification of Internal Carotid Artery Doppler Signals", Computer Methods and Programs in Biomedicine, 103 (1), 51-60, 2011. (2 Times)
- G.E. Güraksın, U. Ergün, Ö. Deperlioğlu, "Classification of the Heart Sounds via Artificial Neural Network", International Journal of Reasoning Based Intelligent Systems, 2, 3/4, 272-278, 2010. (6 Times)
- G.E. Güraksın, H. Uğuz, Ö.K. Baykan, "Bone age determination in young children from newborn to 6 year-old using support vector machines", Turkish Journal of Electrical Engineering & Comput, In Press, , 2014. (1 Time)

- G.E. Güraksın, H. Haklı, H. Uğuz, "Support vector machines classification based on particle swarm optimization for bone age determination", Applied Soft Computing, 24, 597-602, 2014. (3 Times)