

## Assoc. Prof. Bülent BOLAT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: X-8502-2019

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Mühendisliği/ Haberleşme, Turkey 2001 - 2005

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Mühendisliği/ Haberleşme, Turkey 1996 - 1998

Undergraduate, Yildiz Technical University, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 1989 - 1996

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Enstrüman seslerinin tanınması ve sınıflandırılması, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2006

Postgraduate, Sinüzoidal model yardımıyla müzikal ses sentezi, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 1998

### Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Neural Networks, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2020 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2007 - 2020

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 1997 - 2007

## Academic and Administrative Experience

Vice Dean, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2022 - 2023

Deputy Head of Department, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2010 - 2013

## Courses

Bitirme Çalışması, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Signals and Systems, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Mühendislik Felsefesi ve Etik, Undergraduate, 2017 - 2018, 2016 - 2017

Çok Disiplinli Tasarım Projesi, Undergraduate, 2018 - 2019

Görüntü İşleme, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Tasarım Projesi, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

## Advising Theses

Bolat B., Yazılım tabanlı telsiz haberleşme sistemlerinde derin öğrenme yaklaşımı ile radyo sinyallerinin sınıflandırılması, Postgraduate, A.GÜL(Student), 2022

Bolat B., Araç parklarının uygunluk durumunun derin öğrenme ile tespit edilmesi, Postgraduate, A.BETÜL(Student), 2020

Bolat B., Pekitirmeli öğrenme problemlerinde keşif ve geliştirme yöntemleri, Postgraduate, K.GÜÇKIRAN(Student), 2020

Bolat B., Diri B., Büyük boyutlu verilerde öznitelik seçimi için ikili yapay arı kolonisi yaklaşımı, Doctorate, Z.BANU(Student), 2019

Bolat B., Araç Arka Işıklarının Gece Ortamında Tespiti, Postgraduate, G.MUSLU(Student), 2019

Bolat B., Video işaretlerinde yaya takibi, Postgraduate, A.ÖZEK(Student), 2019

Bolat B., Video görüntüleri yardımıyla uyuklu sürücülerin tespiti, Postgraduate, S.KÜÇÜKMANİSA(Student), 2019

BOLAT B., Sert Negatif Öğrenme ile Yayaların Yürüyüş Rotalarının Belirlenmesi, Postgraduate, C.Kolcu(Student), 2018

Bolat B., Çoklu-Biyometrik Yöntemlerle Kimlik Doğrulama, Doctorate, K.Sercan(Student), 2018

Bolat B., Video işaretleri içindeki insanların sayısının tespiti, Postgraduate, Ç.ÇAVDAR(Student), 2018

Bolat B., Derin öğrenme ile ses iyileştirilmesi, Postgraduate, M.ERSEVEN(Student), 2018

BOLAT B., BİLGİSAYARLI TOMOGRAFİ GÖRÜNTÜLERİNDE KOLONİK POLİP TESPİTİ, Doctorate, G.TULUM(Student), 2015

BOLAT B., TARAMALI EMG İLE NÖROMÜSKÜLER PARAMETRELERİN BELİRLENMESİ, Doctorate, N.Tuğrul(Student), 2015

BOLAT B., Sayısal Resimlerdeki Yayaların Tespiti, Doctorate, Y.Engin(Student), 2014

BOLAT B., Video Tabanlı Ziyaretçi Sayma Sistemi, Postgraduate, M.Cem(Student), 2013

BOLAT B., Akustik Yankı Giderimi, Postgraduate, M.Onur(Student), 2012

BOLAT B., LONG TERM EVOLUTION (LTE) PERFORMANCE ANALYSIS, Postgraduate, İ.Selli(Student), 2012

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Crowd Density Estimation by Using Attention Based Capsule Network and Multi-Column CNN**  
Kızrak M. A., BOLAT B.  
IEEE ACCESS, vol.9, pp.75435-75445, 2021 (SCI-Expanded)
- II. **A Probabilistic Multi-Objective Artificial Bee Colony Algorithm for Gene Selection**  
Özger Z. B., Bolat B., Diri B.  
JOURNAL OF UNIVERSAL COMPUTER SCIENCE, vol.25, pp.418-443, 2019 (SCI-Expanded)
- III. **Multibiometric identification by using ear, face, and thermal face**  
Bayram K. S., Bolat B.  
EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING, 2018 (SCI-Expanded)
- IV. **New features for scanned bioelectrical activity of motor unit in health and disease**  
Artug N. T., Goker I., Bolat B., Osman O., Orhan E. K., Baslo M. B.  
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.41, pp.109-128, 2018 (SCI-Expanded)
- V. **A musical information retrieval system for Classical Turkish Music makams**  
Kızrak M. A., Bolat B.  
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, vol.93, pp.749-757, 2017 (SCI-Expanded)
- VI. **A CAD of fully automated colonic polyp detection for contrasted and non-contrasted CT scans**  
Tulum G., Bolat B., Osman O.  
INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY, vol.12, pp.627-644, 2017 (SCI-Expanded)
- VII. **The effect of recording site on extracted features of motor unit action potential**  
Artug N. T., Goker I., Bolat B., Osman O., Orhan E. K., Baslo M. B.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.129, pp.172-185, 2016 (SCI-Expanded)
- VIII. **P440: Determining new features for diagnosis of neuromuscular diseases**  
Artuğ N. T., Osman O., Göker İ., Baslo M. B., Bolat B.  
Clinical Neurophysiology, vol.125, pp.166, 2014 (SCI-Expanded)
- IX. **Musical Sound Recognition by Active Learning PNN**  
Bolat B., Küçük Ü.  
Lecture Notes In Computer Science, vol.4105, pp.474-481, 2006 (SCI-Expanded)
- X. **Active learning for probabilistic neural networks**  
BOLAT B., Yıldırım T.  
ADVANCES IN NATURAL COMPUTATION, PT 1, PROCEEDINGS, vol.3610, pp.110-118, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Locally Searched Binary Artificial Bee Colony Algorithm Based on Hamming Distance for Binary Optimization**  
ÖZGER Z. B., BOLAT B., DİRİ B.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.1, pp.120-131, 2020 (Peer-Reviewed Journal)
- II. **Uçak Motoru Sağlığı için Uzun-Kısa Süreli Bellek Yöntemi ile Öngörücü Bakım**  
Kızrak M. A., Bolat B.  
Bilişim Teknolojileri Dergisi, vol.12, pp.103-109, 2019 (Peer-Reviewed Journal)
- III. **Derin Öğrenme ile Kalabalık Analizi Üzerine Detaylı Bir Araştırma**  
Kızrak M. A., Bolat B.  
Bilişim Teknolojileri Dergisi, vol.11, pp.263-286, 2018 (Peer-Reviewed Journal)
- IV. **Classification of Parkinson's disease by using voice measurements**  
Bolat B., Bolat Sert S.  
International Journal of Reasoning-based Intelligent Systems, vol.2, pp.279-284, 2010 (Scopus)

- V. **KAMIŞLI ENSTRÜMAN SESLERİNİN İSTATİSTİKSEL SİNİR AĞLARI İLE TANINMASI**  
Bolat B.  
SİGMA, vol.23, pp.36-42, 2005 (Peer-Reviewed Journal)
- VI. **A data selection method for Probabilistic Neural Networks**  
Bolat B., Yıldırım T.  
Istanbul University - Journal of Electrical & Electronics Engineering, vol.4, no.2, pp.1137-1140, 2004 (Peer-Reviewed Journal)
- VII. **Performance Increasing Methods for Probabilistic Neural Networks**  
Bolat B., Yıldırım T.  
Pakistan Journal of Information & Technology, vol.2, no.3, pp.250-255, 2003 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **A Comparative Study on Binary Artificial Bee Colony Optimization Methods for Feature Selection**  
ÖZGER Z. B., BOLAT B., DİRİ B.  
in: Focus on Swarm Intelligence Research and Applications, Bachir Benhala, Pedro Pereira, Amin Sallem, Editor, NOVA Science Publishers Inc., New-York, pp.109-129, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **FedLDC: Federated Learning with Loss-Dependent Coefficients in Pedestrian Detection**  
Akpınar E., Bolat B., Taşkıran M.  
2024 11th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 21 - 22 March 2024, pp.256-261
- II. **Makine Öğrenmesi İle Seste Sinirlilik Analizi**  
AYGÜN F., BOLAT B.  
1. BİLSEL ULUSLARARASI TURABDİN BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, Mardin, Turkey, 23 December 2023, vol.1, pp.615-624
- III. **Personal Credit Risk Estimation With-Data Driven Algorithms**  
TEKİNKUŞ UYANIK A., BOLAT B.  
4.INTERNATIONAL DICLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Diyarbakır, Turkey, 18 April 2023, vol.1, pp.402-420
- IV. **Alzheimer Hastalığının Transfer Öğrenimi Yöntemiyle Teşhisi**  
ELP H. E., BOLAT B.  
INSAC Uluslararası Doğa ve Mühendislik Bilimleri Araştırmaları (INSAC-IRNES'23) Kongresi, Konya, Turkey, 18 March 2023, pp.122-133
- V. **Performance of the Convolutional Neural Network Model in Identification of the Wireless Frequency Bands**  
Gül A., Bolat B.  
ELECO 2021, Bursa, Turkey, 25 November 2021, vol.1, pp.544-549
- VI. **Cluster-Based Monitoring and Location Estimation for Crowd Counting**  
KIZRAK M. A., BOLAT B.  
International Online Conference on Intelligent Decision Science, İstanbul, Turkey, 07 August 2020, vol.1301, pp.240-253
- VII. **Spectrum Usage Estimating and Predicting**  
KELEK M. O., BOLAT B.  
2020 28th Signal Processing and Communications Applications Conference (SIU), GAZİANTEP(ONLINE), Turkey, 05 October 2021
- VIII. **Determining the Occupancy of Vehicle Parking Areas by Deep Learning**

Baktir A. B., BOLAT B.

2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020, İstanbul, Turkey, 12 - 13 June 2020

- IX. **Breast Cancer Detection From Thermography Based on Deep Neural Networks**  
Kıymet S., Aslankaya M. Y., Taşkıran M., Bolat B.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), İzmir, Turkey, 31 October - 02 November 2019
- X. **Autonomous Car Racing in Simulation Environment Using Deep Reinforcement Learning**  
GÜÇKIRAN K., BOLAT B.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, Turkey, 31 October - 02 November 2019, pp.1-6
- XI. **Deep and Wide Convolutional Neural Network Model for Highly Dense Crowd**  
KIZRAK M. A., BOLAT B.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, Turkey, 31 October - 02 November 2019, pp.1-6
- XII. **Performance Comparison of Classifiers for BitABC Based Feature Selection**  
ÖZGER Z. B., BOLAT B., DİRİ B.  
International Symposium on Advanced Engineering Technologies, 2 - 04 May 2019
- XIII. **Nighttime vehicle tail light detection with rule based image processing Kural tabanlı görüntü işleme ile araç arka ışıklarının gece ortamında belirlenmesi**  
Muslu G., Bolat B.  
2019 Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science, EBBT 2019, İstanbul, Turkey, 24 - 26 April 2019
- XIV. **Colonic polyp classification using projection image and convolutional neural network Kolonik polip iz düşün görüntülerinde konvolüsyonel sinir ağı ile sınıflandırma**  
Tulum G., Osman O., Dandin Ö., Bolat B., Ergin T., Cüce F.  
2019 Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science, EBBT 2019, İstanbul, Turkey, 24 - 26 April 2019
- XV. **Ekg Sinyalleri Kullanılarak Kimlik Doğrulama**  
KOÇKAN F. S., BOLAT B.  
UBAK 2019 Uluslararası BİLİmsel Araştırmalar Kongresi, Yalova, Turkey, 14 - 17 February 2019, vol.8, pp.299-305
- XVI. **Uykulu Sürücülerin Tespiti için Şerit Tespit Sistemi**  
KÜÇÜKMANİSA S., BOLAT B.  
IMASCON 2018, 23 - 25 November 2018
- XVII. **Regression-based speech enhancement by convolutional neural network Evrişimsel sinir ağı ile regresyon temelli konuşma iyileştirme**  
ERSEVEN M., BOLAT B.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XVIII. **Pedestrian detection with multiple classifiers on still images Hareketsiz Görüntülerdeki Yayaların Çoklu Sınıflandırıcılar ile Tespiti**  
Cavdar C., Ozek A., Bolat B.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XIX. **Recognition of sign language using capsule networks Kapsül Ağları ile Isaret Dili Tanıma**  
BESER F., KIZRAK M. A., BOLAT B., YILDIRIM T.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XX. **Detection of walking direction for pedestrian Yayaların yürüyüş rotalarının belirlenmesi**  
Kolcu C., Bolat B.  
4th Electric Electronics, Computer Science, Biomedical Engineerings' Meeting, EBBT 2018, İstanbul, Turkey, 18 - 19

April 2018, pp.1-4

- XXI. **A cascaded voice biometric system**  
SALHALDEN R., BOLAT B., KAHRAMAN N.  
ICICT2018, 27 - 28 January 2018, vol.131, pp.1223-1228
- XXII. **A cascaded voice biometric system**  
Salhalden A Abdalrahman R., BOLAT B., KAHRAMAN N.  
International Joint Conference of Information and Communication Technology, 27 - 28 January 2018
- XXIII. **A Novel Approach for People Counting and Tracking from Crowd Video**  
KIZRAK SAĞUN M. A., BOLAT B.  
INISTA 2017, Gdynia, Poland, 3 - 05 July 2017, vol.1, pp.227-281
- XXIV. **Diagnosis of Parkinson's disease by using ANN**  
Cimen S., BOLAT B.  
2016 International Conference on Global Trends in Signal Processing, Information Computing and Communication, ICGTSPICC 2016, Jalgaon, India, 22 - 24 December 2016, pp.119-121
- XXV. **IBitABC: Improved Binary Artificial Bee Colony Algorithm with Local Search**  
Ozger Z. B., BOLAT B., DİRİ B.  
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.165-170
- XXVI. **Classification of classic Turkish music makams by using deep belief networks**  
Sagun M. A. K., BOLAT B.  
2016 International Symposium on INnovations in Intelligent SysTEms and Applications, INISTA 2016, Sinaia, Romania, 2 - 05 August 2016
- XXVII. **A Comparative Study on Binary Artificial Bee Colony Optimization Methods for Feature Selection**  
Ozger Z. B., BOLAT B., DİRİ B.  
International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sinaia, Romania, 2 - 05 August 2016
- XXVIII. **Determining phase duration of scanning EMG signals**  
Artuğ T., Osman O., Göker I., Baslo B., BOLAT B.  
2015 Medical Technologies National Conference (TIPTEKNO), Bodrum, Mugla, Turkey, 15 - 18 October 2015, pp.1-4
- XXIX. **Determining MUAP activity corridor in scanning EMG recordings**  
Tugrul Artug N., Goker I., Bolat B., Baris Baslo M., Osman O.  
International Symposium on Innovations in Intelligent Systems and Applications, INISTA 2015, Madrid, Spain, 2 - 04 August 2015
- XXX. **Performance analysis of feature extraction methods in indoor sound classification**  
Çalık N., Durak Ata L., Serbes A., Bolat B., Yavuz E.  
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015
- XXXI. **Determining Phase Duration of Scanning EMG Signals**  
Artug T., Osman O., Goker I., Baslo B., BOLAT B.  
Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015
- XXXII. **Classification of Classic Turkish Music Makams by Using Deep Belief Networks**  
Kizrak M. A., BOLAT B.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.527-530
- XXXIII. **Klasik Türk Müziği Makamlarının Tanınması**  
KIZRAK M. A., BOLAT B.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu 2014, İzmir, Turkey, 9 - 10 October 2014
- XXXIV. **Classification of Classic Turkish Music Makams**  
Kizrak M. A., Bayram K. S., BOLAT B.  
IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Alberobello, Italy,

23 - 25 June 2014, pp.394-397

- XXXV. **Classification of Normal and Abnormal Lung Sounds Using Wavelet Coefficients**  
UYSAL S., UYSAL H., BOLAT B., YILDIRIM T.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2138-2141
- XXXVI. **Feature Extraction and Classification of Neuromuscular Diseases Using Scanning EMG**  
Artug N. T., BOLAT B., Osman O., Goker I., Tulum G., Baslo M. B.  
IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Alberobello, Italy, 23 - 25 June 2014, pp.262-265
- XXXVII. **Nöromüsküler Hastalıkların Tanısına Yönelik Yeni Özniteliklerin Belirlenmesi**  
ARTUĞ N. T., OSMAN O., GÖKER İ., BASLO M. B., BOLAT B.  
TIPTEKNO 2013 TIP TEKNOLOJİLERİ ULUSAL KONGRESİ, Antalya, Turkey, 31 October - 02 November 2013
- XXXVIII. **Bilgisayarlı Tomografi Görüntülerinde Kolon Bölgesinin Bulanık C-Means Yöntemiyle Bölütlenmesi**  
Tulum G., Bolat B., Osman O., Alishev N.  
TIPTEKNO 2013, Antalya, Turkey, 31 October - 02 November 2013
- XXXIX. **Classification of EEG signals by using support vector machines**  
BAYRAM K. S., KIZRAK M. A., BOLAT B.  
INISTA 2013, 19 - 21 June 2013, pp.1-3
- XL. **A Pedestrian Detection System With Weak Classifiers**  
Tetik Y. E., BOLAT B.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XLI. **Performance Evaluation of Feature Selection Algorithms on Human Activity Classification**  
Tulum G., Artug N. T., BOLAT B.  
IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Bulgaria, 19 - 21 June 2013
- XLII. **Pedestrian Detection with an Improved Adaboost**  
Tetik Y. E., BOLAT B.  
IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Bulgaria, 19 - 21 June 2013
- XLIII. **Ortopedik Rahatsızlıkların Hiyerarşik Sınıflandırıcılar ile Tanısı**  
TULUM G., ARTUĞ N. T., BOLAT B.  
ASYU 2012 Akıllı Sistemlerde Yenilikler ve Uygulamaları, Trabzon, Turkey, 3 - 04 July 2012, vol.1, pp.250-254
- XLIV. **Benzetilmiş Tavlama ile Müzik Türlerinin Belirlenmesi**  
KADIOĞLU S., BOLAT B.  
ASYU 2012 Akıllı Sistemlerde Yenilikler ve Uygulamaları, Trabzon, Turkey, 3 - 04 July 2012, vol.1, pp.47-50
- XLV. **Gürültülü Ortamlarda Konuşma Tespiti İçin Yeni Bir Öznitelik Çıkarım Yöntemi**  
Tetik Y. E., Bolat B.  
Fırat Üniversitesi Elektrik-Elektronik ve Bilgisayar Sempozyumu, Elazığ, Turkey, 5 - 07 October 2011, vol.2, pp.86-89
- XLVI. **Müzikal Enstrüman Seslerinin Tanınması**  
BUDAK M., BOLAT B.  
Fırat Üniversitesi Elektrik Elektronik Bilgisayar Sempozyumu, Elazığ, Turkey, 5 - 07 October 2011, vol.2, pp.115-119
- XLVII. **Yapay Sinir Ağlarıyla Müzikal Tür Tanıma**  
Kumaşoğlu G., BOLAT B.  
Fırat Üniversitesi Elektrik Elektronik Bilgisayar Sempozyumu, Elazığ, Turkey, 5 - 07 October 2011, vol.2, pp.61-64
- XLVIII. **Pedestrian detection from still images**  
TETİK Y. E., BOLAT B.  
2011 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2011, Istanbul-Kadıkoy, Turkey, 15 - 18 June 2011, pp.540-544
- XLIX. **Detection of pedestrians from still images**

Tetik Y. E., Bolat B.

2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 20 - 22 April 2011, pp.670-673

- L. **Ayrık kelime tabanlı bir konuşma tanıma sistemiyle bilgisayar kontrolü**  
GELEGİN İ., BOLAT B.  
TMMOB Elektrik-Elektronik ve Bilgisayar Sempozyumu, Elazığ, Turkey, 01 January 2011
- LI. **Üriner Sistem Hastalıklarının Karar Ağacılı Teşhisi**  
BOLAT B.  
ASYU 2010 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Kayseri, Turkey, 21 - 24 June 2010, vol.1, pp.67-70
- LII. **Classification of Leukemia Data by Using a Hybrid Feature Subset Selection Method**  
BOLAT B.  
INISTA 2009 Int Symposium on Intelligent Systems and Applications, Trabzon, Turkey, 29 June - 01 July 2009, vol.1, pp.106-109
- LIII. **Classification of Parkinson's disease by Using Probabilistic Neural Networks**  
bolat sert s., BOLAT B.  
INISTA 2009 Int. Symposium on Intelligent Systems and Applications, Trabzon, Turkey, 29 June - 01 July 2009, vol.1, pp.261-265
- LIV. **LÖSEMİ VERİSİNİN KARMA BİR ÖZNETLİK ALT GRUBU SEÇİM YÖNTEMİYLE SINIFLANDIRILMASI**  
BOLAT S., BOLAT B.  
ASYU 2008 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Isparta, Turkey, 18 June - 20 August 2008
- LV. **Effects of Data Reduction Methods on the Performance of Statistical Neural Networks in Medical Applications**  
Bilgin G., Bolat B., Yildirim T.  
International Conference on Electrical and Electronics Engineering (ELECO 2007), Bursa, Turkey, 5 - 09 December 2007, pp.136-139
- LVI. **Breast Cancer Diagnosis by Using Active Learning PNN**  
Bilgin G., Bolat B.  
International Symposium on Innovations in Intelligent Systems and Applications (INISTA 2007), İstanbul, Turkey, 20 - 23 June 2007, pp.238-241
- LVII. **Olasılıksal Sinir Ağı ve Bulanık Çıkarım Sistemi ile Elektriksel Boşalma Sesinden Gerilim Düzeyinin Bulunması**  
KALENDERLİ Ö., BOLAT S., BOLAT B.  
ELECO 2006, Bursa, Turkey, 6 - 10 December 2006, pp.206-210
- LVIII. **Dalga Biçimlerinin Aktif Öğrenen Sinir Ağları ile Sınıflandırılması**  
BİLGİN G., BOLAT B.  
Otomatik Kontrol Türk Milli Komitesi 2006, Ankara, Turkey, 6 - 08 November 2006, pp.118-121
- LIX. **Bulanık Çıkarım Sistemi İle Elektriksel Boşalma Sesinden Gerilim Düzeyinin Belirlenmesi**  
KALENDERLİ Ö., BOLAT S., BOLAT B.  
ASYU 2006 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, İstanbul, Turkey, 31 May - 02 June 2006, pp.219-223
- LX. **Musical sound recognition by active learning PNN**  
BOLAT B., Küçük Ü.  
International Workshop on Multimedia Content Representation, Classification and Security, MRCS 2006, İstanbul, Turkey, 11 - 13 September 2006, pp.474-481
- LXI. **Determination of voltage level from electrical discharge sound by Probabilistic neural network**  
Kalenderli O., BOLAT B., Bolat S.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.702-703
- LXII. **Recognition of bowed string sounds by using probabilistic neural network Yaylı enstrüman seslerinin olasılıksal sinir ağı ile tanınması**  
BOLAT B., Küçük Ü.



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**LXIII. Active learning for Probabilistic Neural Networks**

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## **Non Academic Experience**

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