Prof. NECAATTİN BARIŞÇI

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAU-9854-2020
ScopusID: 56038499500
Yoksis Researcher ID: 46283

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Dr), Turkey 2000 - 2005
Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Yl) (Tezli), Turkey 1999 - 2000
Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 1990 - 1994

Dissertations

Doctorate, Kardiyak doppler işaretlerinin yapay sinir ağı ve NEFCLASS ile sınıflandırılması, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Dr), 2005
Postgraduate, Kardiyak doppler sinyallerine hızlı fourier dönüşümü analizi uygulayarak elde edilen sonuçların bulanık mantık ile değerlendirilmesi, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Yl) (Tezli), 2000

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Pattern Recognition and Image Processing, Neural Networks, Programming Languages

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues
Associate Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2014 - 2020
Associate Professor, Kirikkale University, Faculty Of Engıneerıng, Department Of Computer Engıneerıng, 2010 - 2014
Assistant Professor, Kirikkale University, Faculty Of Engıneerıng, Department Of Computer Engıneerıng, 2008 - 2010
Assistant Professor, Kirikkale University, Faculty Of Engıneerıng, Department Of Electrıcal And Electronıcs Engıneerıng, 2007 - 2008
Lecturer, Kirikkale University, Faculty Of Engıneerıng, Department Of Computer Engıneerıng, 2005 - 2007
Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 1999 - 2005

Academic and Administrative Experience

Deputy Head of Department, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - 2021
Kirikkale University, Enformatik Bölümü, 2011 - 2014
Kirikkale University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2014

Courses

Derin Sinir Ağları ve Uygulamaları, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Veritabanı Yönetim Sistemleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Yapay Zekaya Giriş, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
NESNESEL BİLGİ SİS. TAS. (YL)(UZAKTAN EĞİTİM), Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Web Programlama, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Advising Theses

Barışçı N., Detection of fake face images using convolutional neural networks, Postgraduate, E.ŞAFAK(Student), 2023
Barışçı N., Detecting diabetic retinopathy by deep learning Yazar:ABDÜSSAMED ERCİYAS, Doctorate, A.ERCİYAS(Student), 2022
Barışçı N., SEGMENTATION OF DEEP LEARNING-BASED PROSTATE IMAGES, Doctorate, H.ÖCAL(Student), 2022
BARIŞÇI N., Image Captıonıng Wıth Convolutıonal And Recurrent Neural Networks, Postgraduate, T.Kunt(Student), 2021
Barışçı N., Lüy M., Böbrek tümörlerinin derin öğrenme yoluyla segmentasyonu, Doctorate, F.TÜRK(Student), 2021
BARIŞÇI N., Development Of Output Correctıon Methodology For Turkısh Speech Recognıtıon And Desıgn Of A Recurrent Neural Network, Doctorate, R.SİNAN(Student), 2020
BARIŞÇI N., Denaıl Of Servıce Attack Detectıon Usıng Machıne Learnıng Technıques, Postgraduate, E.DOĞRU(Student), 2020
BARIŞÇI N., Detectıon Of Object In Remote Sensıng Images Usıng Deep Learnıng, Doctorate, A.KÖREZ(Student), 2020
BARIŞÇI N., Analysıng Data In Socıal Networks By Usıng Artıfıcıal Intellıgence, Postgraduate, T.JAVADI(Student), 2019
BARIŞÇI N., Servıce Orıented Archıtecture And Fuzzy Logıc Based Unıversıty Informatıon System, Postgraduate, H.ALİ(Student), 2019
BARIŞÇI N., Siber savunma alanında yapay zekâ tabanlı saldırı tespiti ve analizi, Postgraduate, B.AYTAN(Student), 2019
BARIŞÇI N., Comparıson Of Dıfferent Machıne Learnıng Technıques In Predıctıng The Prıce Movement Of Borsa Istanbul Stock Market, Postgraduate, T.Ziyadoğlu(Student), 2018
BARIŞÇI N., Comparison of different machine learning techniques in predicting the price movement of Borsa Istanbul Stock Market, Postgraduate, T.ZİYADOĞLU(Student), 2018
BARIŞÇI N., Yapay zeka ile yazılım efor tahmini, Postgraduate, B.ŞEREF(Student), 2015
BARIŞÇI N., Bulanık mantık kullanılarak PLC ile hidrolik pres pistonunun konum kontrolü, Postgraduate, Ö.BOYACI(Student), 2015
BARIŞÇI N., Öğrenci performansının veri madenciliği ile belirlenmesi, Postgraduate, S.ÖZARSLAN(Student), 2014
BARIŞÇI N., Elektronik belge yönetim sistemi analizi: Yapay zeka tabanlı örnek bir uygulama, Postgraduate, A.ON(Student), 2014
BARIŞÇI N., Yapay zekâ teknikleri ile hastaların koroner anjiyografi gerekliliğinin tahmini, Postgraduate, H.AKBULUT(Student), 2013
BARIŞÇI N., Yapay sinir ağı yöntemleriyle hipertansiyon teşhis sistemi geliştirilmesi, Postgraduate, F.TÜRK(Student), 2012
BARIŞÇI N., Veri madenciliğinin nefroloji alanına uygulanması, Postgraduate, Y.KÖKVER(Student), 2012
BARIŞÇI N., Kardiyak doppler işaretlerinin bulanık kümeleme ile sınıflandırılması, Postgraduate, N.BAYRAKCI(Student), 2009

Jury Memberships

Doctorate, Doctorate, Gazi Üniversitesi, February, 2023
Doctorate, Doctorate, Gazi Üniversitesi, February, 2023
Post Graduate, Post Graduate, Gazi Üniversitesi, February, 2023
Doctorate, Doctorate, Gazi Üniversitesi, February, 2023
Associate Professor Exam, Associate Professor Exam, Fırat Üniversitesi, January, 2023
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Türk Hava Kurumu Üniversitesi, January, 2023
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Afyon Kocatepe Üniversitesi, January, 2023
Associate Professor Exam, Associate Professor Exam, Adana Alparslan Türkeş Bilim Ve Teknoloji Üniversitesi, January, 2023
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Beykent Üniversitesi, September, 2022
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Selçuk Üniversitesi, August, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kırıkkale Üniversitesi, February, 2022
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi University, December, 2021
Doctorate, Doctorate, Gazi Üniversitesi, November, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Sivas Bilim Ve Teknoloji Üniversitesi, October, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Osmaniye Korkut Ata Üniversitesi, September, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kastamonu Üniversitesi, July, 2021
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, January, 2021
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi Üniversitesi, January, 2021
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi Üniversitesi, November, 2020
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kırıkkale Üniversitesi, November, 2020
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırşehir Ahi Evran Üniversitesi, July, 2020
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırıkkale Üniversitesi, July, 2020
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırıkkale Üniversitesi, July, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Improving detection and classification of diabetic retinopathy using CUDA and Mask RCNN**
Erciyas A., Barışçı N., Ünver H. M., Polat H.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.17, pp.1265-1273, 2023 (SCI-Expanded)
II. **Malware detection using image-based features and machine learning methods Görüntü tabanli özelliklerden ve makine öğrenmesi yöntemlerinden faydalanilarak kötücül yazilim tespiti**

Güngör A., DOĞRU İ. A., BARIŞÇI N., TOKLU S.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.3, pp.1781-1792, 2023 (SCI-Expanded)

III. **Real-time fire and smoke detection for mobile devices using deep learning**
Safak E., BARIŞÇI N.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.4, pp.2179-2190, 2023 (SCI-Expanded)

IV. **A meta-analysis on diabetic retinopathy and deep learning applications**
Erciyas A., BARIŞÇI N.
Multimedia Tools and Applications, 2023 (SCI-Expanded)

V. **Optimization of indoor thermal comfort values with fuzzy logic and genetic algorithm**
Balci S. G., Ersöz S., Lüy M., Türker A. K., BARIŞÇI N.
Journal of Intelligent and Fuzzy Systems, vol.45, no.2, pp.2305-2317, 2023 (SCI-Expanded)

VI. **Integrated Distributed Energy Resources (DER) and Microgrids: Modeling and Optimization of DERs**
Twaisan K., Barışçı N.
ELECTRONICS, vol.11, no.18, 2022 (SCI-Expanded)

VII. **A novel prostate segmentation method: triple fusion model with hybrid loss**
Ocal H., BARIŞÇI N.
NEURAL COMPUTING & APPLICATIONS, vol.34, no.16, pp.13559-13574, 2022 (SCI-Expanded)

VIII. **Prostate Segmentation via Dynamic Fusion Model**
Ocal H., BARIŞÇI N.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.8, pp.10211-10224, 2022 (SCI-Expanded)

IX. **A Novel Approach to Skin Lesion Segmentation: Multipath Fusion Model with Fusion Loss**
Alhudhaif A., Ocal H., Barışçı N., Atacak İ., Nour M., Polat K.
Computational and Mathematical Methods in Medicine, vol.2022, 2022 (SCI-Expanded)

X. **Kidney Tumor Segmentation Using Two-Stage Bottleneck Block Architecture**
Turk F., LÜY M., BARIŞÇI N., YALÇINKAYA F.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.33, no.1, pp.349-363, 2022 (SCI-Expanded)

XI. **IoT based mobile driver drowsiness detection using deep learning**
Safak E., DOĞRU İ. A., BARIŞÇI N., TOKLU S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.4, pp.1869-1881, 2022 (SCI-Expanded)

XII. **Determining the Location of Tibial Fracture of Dog and Cat Using Hybridized Mask R-CNN Architecture**
Baydan B., Barisci N., ÜNVER H. M.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.27, no.3, pp.347-353, 2021 (SCI-Expanded)

XIII. **Detecting and correcting automatic speech recognition errors with a new model**
Arslan R. S., Barışçı N., Arıcı N., Kocer S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.5, pp.2298-2311, 2021 (SCI-Expanded)

XIV. **An Effective Method for Detecting and Classifying Diabetic Retinopathy Lesions Based on Deep Learning**
Erciyas A., BARIŞÇI N.
Computational and Mathematical Methods in Medicine, vol.2021, 2021 (SCI-Expanded)

XV. **Kidney and Renal Tumor Segmentation Using a Hybrid V-Net-Based Model**
Turk F., LÜY M., BARIŞÇI N.
MATHEMATICS, vol.8, no.10, 2020 (SCI-Expanded)

XVI. **Weighted Ensemble Object Detection with Optimized Coefficients for Remote Sensing Images**
Korez A., BARIŞÇI N., ÇETİN A., ERGÜN U.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.9, no.6, 2020 (SCI-Expanded)

XVII. **A detailed survey of Turkish automatic speech recognition**

Arslan R. S., BARIŞÇI N.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.6, pp.3253-3269, 2020 (SCI-Expanded)

XVIII. **Object Detection with Low Capacity GPU Systems Using Improved Faster R-CNN**
Korez A., BARIŞÇI N.
APPLIED SCIENCES-BASEL, vol.10, no.1, 2020 (SCI-Expanded)

XIX. **Development of Output Correction Methodology for Long Short Term Memory-Based Speech Recognition**
Arslan R. S., BARIŞÇI N.
SUSTAINABILITY, vol.11, no.15, 2019 (SCI-Expanded)

XX. **Permission-Based Malware Detection System for Android Using Machine Learning Techniques**
Arslan R. S., DOĞRU İ. A., BARIŞÇI N.
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, vol.29, no.1, pp.43-61, 2019 (SCI-Expanded)

XXI. **Short-Term Fuzzy Load Forecasting Model Using Genetic-Fuzzy and Ant Colony-Fuzzy Knowledge Base Optimization**
LÜY M., ATEŞ V., BARIŞÇI N., POLAT H., ÇAM E.
APPLIED SCIENCES-BASEL, vol.8, no.6, 2018 (SCI-Expanded)

XXII. **AN INVENTORY CLASSIFICATION APPROACH COMBINING EXPERT SYSTEMS, CLUSTERING, AND FUZZY LOGIC WITH THE ABC METHOD, AND AN APPLICATION**
Aktepe A., Ersoz S., Turker A. K., BARIŞÇI N., Dalgic A.
SOUTH AFRICAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.29, no.1, pp.49-62, 2018 (SCI-Expanded)

XXIII. **Effects on Load-Frequency Control of a Solar Power System with a Two-Area Interconnected Thermal Power Plant and its Control with a New BFA Algorithm**
CİVELEK Z., GÖREL G., Luy M., BARIŞÇI N., Cam E.
ELEKTRONIKA IR ELEKTROTECHNIKA, vol.24, no.6, pp.3-10, 2018 (SCI-Expanded)

XXIV. **Control of Pitch Angle of Wind Turbine by Fuzzy Pid Controller**
CİVELEK Z., LÜY M., ÇAM E., BARIŞÇI N.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.22, no.3, pp.463-471, 2016 (SCI-Expanded)

XXV. **Comparison of Multi Layer Perceptron and Jordan Elman Neural Networks for Diagnosis of Hypertension**
Turk F., BARIŞÇI N., Ciftci A., Ekmekci Y.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.21, no.1, pp.123-134, 2015 (SCI-Expanded)

XXVI. **The adaptive ARMA analysis of EMG signals**
BARIŞÇI N.
JOURNAL OF MEDICAL SYSTEMS, vol.32, no.1, pp.43-50, 2008 (SCI-Expanded)

XXVII. **Application of an adaptive neuro-fuzzy inference system for classification of Behcet disease using the fast Fourier transform method**
BARIŞÇI N., Hardalac F.
EXPERT SYSTEMS, vol.24, no.2, pp.123-130, 2007 (SCI-Expanded)

XXVIII. **Classification of aorta insufficiency and stenosis using neuro-fuzzy system**
BARIŞÇI N., Topal E., Hardalaç F., GÜLER İ.
Journal of Medical Systems, vol.29, no.2, pp.155-165, 2005 (SCI-Expanded)

XXIX. **Classification of aorta insufficiency and stenosis using MLP neural network and Neuro-fuzzy system**
Hardalac F., BARIŞÇI N., Ergun U.
PHYSICA MEDICA-EUROPEAN JOURNAL OF MEDICAL PHYSICS, vol.20, no.4, pp.155-165, 2004 (SCI-Expanded)

XXX. **Classification of aorta doppler signals using variable coded-hierarchical genetic fuzzy system**
Guler İ., Hardalac F., Ergun E., BARIŞÇI N.
EXPERT SYSTEMS WITH APPLICATIONS, vol.26, no.3, pp.321-333, 2004 (SCI-Expanded)

XXXI. **Application of FFT analyzed cardiac Doppler signals to fuzzy algorithm**
Guler İ., Hardalac F., BARIŞÇI N.

COMPUTERS IN BIOLOGY AND MEDICINE, vol.32, no.6, pp.435-444, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Detection of Rice Plant Diseases Based on Deep Transfer Learning**
BARIŞÇI N., GÜLLÜ M., DOĞRU İ. A.
Gazi Mühendislik Bilimleri Dergisi, 2023 (Peer-Reviewed Journal)

II. **Hafif Evrişimsel Sinir Ağları Kullanılarak Sahte Yüz Görüntülerinin Tespiti**
ŞAFAK E., BARIŞÇI N.
El-Cezeri Journal of Science and Engineering, vol.9, pp.1282-1289, 2022 (Scopus)

III. **Machine Learning-Based Comparative Study For Heart Disease Prediction**
Güllü M., Akcayol M. A., Barışçı N.
Advances in Artificial Intelligence Research, vol.2, no.2, pp.51-58, 2022 (Peer-Reviewed Journal)

IV. **A Survey on Lip-Reading with Deep Learning**
ERBEY A., BARIŞÇI N.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, 2022 (Peer-Reviewed Journal)

V. **Tüketici Fiyat Endeksi (TÜFE) Hesaplamasında Yapay Zeka Kullanan Çalışmaların İncelenmesi**
ON A., BARIŞÇI N.
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, vol.14, 2022 (Peer-Reviewed Journal)

VI. **Renal Segmentation Using an Improved U-Net3D Model**
TÜRK F., LÜY M., BARIŞÇI N.
JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, vol.11, 2021 (Peer-Reviewed Journal)

VII. **3D kidney and tumor segmentation with Multi Depth V-Net model**
TÜRK F., LÜY M., BARIŞÇI N.
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, vol.12, no.3, pp.35-41, 2020 (Peer-Reviewed Journal)

VIII. **Machine Learning of Kidney Tumors and Diagnosis and Classification by Deep Learning Methods**
TÜRK F., LÜY M., BARIŞÇI N.
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, vol.11, no.3, pp.802-812, 2019 (Peer-Reviewed Journal)

IX. **Internet of Things in Smart and Conventional Wearable Healthcare Devices**
Ocal H., DOĞRU İ. A., BARIŞÇI N.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.3, pp.695-714, 2019 (ESCI)

X. **A Study of Development of Standardised M2M Service Platform Using Restful Architecture**
POLAT H., OYUCU S., BARIŞÇI N.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.472-487, 2018 (ESCI)

XI. **Permisson Comparison Based Malware Detection System for Android Mobile Applications**
Arslan R. S., DOĞRU İ. A., BARIŞÇI N.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.20, no.1, pp.175-189, 2017 (ESCI)

XII. **Android Mobil Uygulamalar için İzin Karşılaştırma Tabanlı Kötücül Yazılım Tespiti**
ARSLAN R. S., DOĞRU İ. A., BARIŞÇI N.
Politeknik Dergisi, vol.20, no.1, pp.175-189, 2017 (Peer-Reviewed Journal)

XIII. **HİPERTANS YONA ETKİ EDEN FAKTÖRLER N VERİ MADENCİLİĞİ YÖNTEMLERİYLE İNCELENMESİ**
KÖKVER Y., BARIŞÇI N., ÇİFTÇİ A., YAKUP E.
E-Journal of New World Sciences Academy, vol.9, no.2, 2014 (Peer-Reviewed Journal)

XIV. **Software Effort Estimation Using Multilayer Perceptron and Adaptive Neuro Fuzzy Inference System**
ŞEREF B., BARIŞÇI N.
International Journal of Innovation, Management and Technology, 2014 (Peer-Reviewed Journal)

XV. **Levenberg Marquardt Lm Ve Resılıent Backpropagatıon Rbp Yapay Sinir Ağı Algoritmalarının Kırşehir İli Rüzgâr Hızı Tahmininde Uygulanması Ve Karşılaştırılması**
ESRA Z., LÜY M., ÇAM E., BARIŞÇI N.
International Refereed Journal of Engineering And Sciences, vol.2, no.1, pp.27-37, 2014 (Peer-Reviewed Journal)

XVI. **Examination of the Effects of Degeneration on Vertebral Artery by Using Neural Network in Cases With Cervical Spondylosis**
ÖZDEMİR H., BERİLGEN M. S., SERHATLIOĞLU S., POLAT H., ERGÜN U., BARIŞÇI N., HARDALAÇ F.
Journal Of Medical Systems, vol.29, no.2, pp.91-101, 2005 (Scopus)

XVII. **Classification of MCA Stenosis in Diabetes by MLP and RBF Neural Network**
ERGÜN U., BARIŞÇI N., A TEVFİK O., SERHATLIOĞLU S., OĞUR E., HARDALAÇ F., GÜLER İ.
Journal of Medical Systems, no.28, pp.475, 2004 (Scopus)

XVIII. **The examination of the effects of obesity on a number of arteries and body mass index by using expert systems**
HARDALAÇ F., OZAN A., BARIŞÇI N., ERGÜN U., SERHATLIOĞLU S., GÜLER İ.
Journal of Medical Systems, no.28, pp.129, 2004 (Scopus)

XIX. **Web Based Telemedicine Remote Auscultation System on the Internet Turkish Journal of Telecommunications**
HARDALAÇ F., POLAT H., BARIŞÇI N., ERGÜN U.
Turkish Journal of Telecommunications, vol.1, no.1, pp.33-39, 2002 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Bölüm 4: Veri Tabani Yönetim Sistemleri**
Barışçı N.
in: Sağlik Kurumlarinda Bilgi Sistemleri, Ali YILMAZ, Editor, Anadolu Yayınları, Eskişehir, pp.78-106, 2013

Refereed Congress / Symposium Publications in Proceedings

I. **CHOOSING HYPER PARAMETERS FOR SHORT-TERM PRICE PREDICTION WITH BITCOIN IN DEEP LEARNING**
MOĞOL M. A., BARIŞÇI N.
EUROASIA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH AND RECENT TRENDS-XI, Nevşehir, Turkey, 22 June 2023

II. **Dynamic Image Scaling for Imbalanced Brain MRI Dataset**
TAŞDEMİR B., BARIŞÇI N.
INTERNATIONAL CONFERENCE ON GLOBAL PRACTICE OF MULTIDISCIPLINARY SCIENTIFIC STUDIES-IV, Cyprus (Kktc), 28 April 2023

III. **CELL DETECTION AND COUNTING WITH U-NET AND V-NET ARCHITECTURES IN MICROSCOPIC CELL IMAGES**
SÖZEN Z., BARIŞÇI N.
ÇANKAYA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH, Ankara, Turkey, 10 April 2023

IV. **Gri Kurt Optimizasyon Algoritması ve Derin Sinir Ağı Hibrit Yaklaşımı ile Android Kötücül Yazılım Sınıflandırma**
GÜLLÜ M., BARIŞÇI N.
30th Signal Processing and Communications Applications Conference (SIU), Safranbolu, Turkey, 15 May 2022

V. **Image Captioning in Turkish Language**
KUNT T., BARIŞÇI N.
International Conference on Advanced Materials Science Engineeringand High Tech Devices Applications, 2 - 04 October 2020, pp.106-107

VI. **Makine Öğrenmesi Teknikleri Kullanilarak Hizmet Aksatma Saldirilari Tespiti**
DOĞRU E., BARIŞÇI N.
Anadolu Kongreleri 3. Uluslararasi Uygulamali Bilimler Kongresi, Diyarbakır, Turkey, 28 - 29 December 2019

VII. **Prostate Segmentation via Fusing the Nested-V-net3d and Vnet2d**

ÖCAL H., BARIŞÇI N.
36. National 1st International Informatics and Software Engineering Conference, 6 - 07 November 2019

VIII. **Böbrek Tümör Segmentasyonu İçin Unet ve Unet-ResNet Modellerinin Karşılaştırılması**
TÜRK F., LÜY M., BARIŞÇI N.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, 11 - 13 October 2019

IX. **Böbrek Tümör Segmentasyonu İçin Unet ve Unet-ResNet Modellerinin Karşilaştirilmasi**
Turk F., Luy M., BARIŞÇI N.
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