Assoc. Prof. HÜSEYİN POLAT

Personal Information

Office Phone: +90 312 202 8581
Fax Phone: +90 312 202 8581
Email: polath@gazi.edu.tr
Web: https://avesis.gazi.edu.tr/polath

International Researcher IDs
ScholarID: 16179396296743922263
ORCID: 0000-0003-4128-2625
Publons / Web Of Science ResearcherID: A-1623-2018
ScopusID: 8601531200
Yoksis Researcher ID: 55054

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (Dr), Turkey 1999 - 2006
Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Yl) (Tezli), Turkey 1996 - 1999
Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey
1988 - 1993

Dissertations

Doctorate, PC tabanlı çok kanallı bir elektronik stetoskop tasarımı ve gerçekleştirilmesi, Gazi University, Fen Bilimleri
Enstitüsü, Elektronik Bilgisayar Eğitimi (Dr), 2006
Postgraduate, Klasik NC tezgahlarının CNC tezgahlarına dönüştürülmesi, Gazi University, Fen Bilimleri Enstitüsü, Elektrik
Eğitimi (Yl) (Tezli), 1998

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues
Assistant Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2012 - 2019
Assistant Professor, Gazi University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 2010 - 2012
Expert, Gazi University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 1995 - 2010

Academic and Administrative Experience

Deputy Head of Department, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2014 - 2018

Courses

İŞLETİM SİSTEMLERİ, Undergraduate, 2017 - 2018, 2016 - 2017

MEZUNİYET PROJESİ, Undergraduate, 2017 - 2018

SEMİNER (YÜKSEK LİSANS), Postgraduate, 2017 - 2018, 2016 - 2017

YAPAY ZEKAYA GİRİŞ(SEÇ.), Undergraduate, 2017 - 2018, 2016 - 2017

DOKTORA TEZ ÇALIŞMASI, Doctorate, 2017 - 2018, 2016 - 2017

DOKTORA UZMANLIK ALAN, Doctorate, 2017 - 2018, 2016 - 2017

MEZUNİYET TEZİ, Undergraduate, 2017 - 2018, 2016 - 2017

YÜKSEK LİSANS TEZ HAZIRLIK, Postgraduate, 2017 - 2018, 2016 - 2017

BİLGİSAYAR MÜHENDİSLİĞİNE GİRİŞ, Undergraduate, 2017 - 2018, 2016 - 2017

DOKTORA TEZ HAZIRLIK, Doctorate, 2017 - 2018, 2016 - 2017

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2017 - 2018, 2016 - 2017

YÜKSEK LİSANS UZMANLIK ALAN, Postgraduate, 2017 - 2018, 2016 - 2017

YAPAY ZEKA ÖĞRENME MODELLERİ, Postgraduate, 2017 - 2018

BİLGİSAYAR AĞLARINDA İLERİ TASARIM YÖNTEMLERİ, Postgraduate, 2016 - 2017

İŞYERİ EĞİTİMİ, Undergraduate, 2016 - 2017

Advising Theses

Polat H., AUTONOMOUS ATTACK DETECTION AND MITIGATION MODEL BY NETWORK TRAFFIC AWARE APPROACH IN SOFTWARE DEFINED NETWORKS, Doctorate, Ö.TONKAL(Student), 2022

Polat H., DERİN ÖĞRENME MİMARİLERİ KULLANILARAK AYRIK VİDEO GÖRÜNTÜLERİ ÜZERİNDEN İŞARET DİLİ TANIMA, Doctorate, C.GÜNDÜZ(Student), 2021

POLAT H., Author Identification Based On The Ensemble Learning Approach Supported By Optimization-Based Feature Selection Methods, Postgraduate, M.GÜLLÜ(Student), 2021

Polat H., Development Of Deep Learning Based Models For Turkish Speech Recognition, Doctorate, S.OYUCU(Student), 2020

POLAT H., Analysis of neuro-fuzzy inference system approaches for diagnosis of chronic kidney disease, Postgraduate, Z.TEYMOURI(Student), 2019

POLAT H., Detection And Mitigation Of Dos Attacks In Software Defined Networks, Postgraduate, O.POLAT(Student), 2017

POLAT H., Classification of lung CT images using deep convolutional neural network, Postgraduate, H.DANAEI(Student), 2017

POLAT H., Service And Interface Development For M2m Platforms, Postgraduate, S.OYUCU(Student), 2015

POLAT H., Autonomous Communication Between Machines Internet Of Things Ecosystem, Postgraduate, S.ULAŞ(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Multi-Stage Learning Framework Using Convolutional Neural Network and Decision Tree-Based Classification for Detection of DDoS Pandemic Attacks in SDN-Based SCADA Systems**
   Polat O., Türkoğlu M., POLAT H., Oyucu S., Üzen H., Yardımcı F., AKSÖZ A.
   Sensors, vol.24, no.3, 2024 (SCI-Expanded)

II. **Ensemble Learning Framework for DDoS Detection in SDN-Based SCADA Systems**
   Oyucu S., Polat O., Türkoğlu M., Polat H., Aksöz A., Ağdaş M. T.
   SENSORS, vol.24, no.155, pp.1-20, 2023 (SCI-Expanded)

III. **Prediction of Heart Disease Based on Machine Learning Using Jellyfish Optimization Algorithm**
   Ahmad A. A., Polat H.
   Diagnostics, vol.13, no.14, 2023 (SCI-Expanded)

IV. **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)

V. **Recognition of DDoS attacks on SD-VANET based on combination of hyperparameter optimization and feature selection**

Turkoglu M., POLAT H., KOÇAK C., POLAT O.

EXPERT SYSTEMS WITH APPLICATIONS, vol.203, 2022 (SCI-Expanded)

VI. **Estimation of Demographic Traits of the Deputies through Parliamentary Debates Using Machine Learning**

Polat H., Korpe M.

ELECTRONICS, vol.11, no.15, 2022 (SCI-Expanded)

VII. **A novel approach for accurate detection of the DDoS attacks in SDN-based SCADA systems based on deep recurrent neural networks**

POLAT H., Türkoğlu M., POLAT O., Şengür A.

Expert Systems with Applications, vol.197, 2022 (SCI-Expanded)

VIII. **Machine Learning Approach Equipped with Neighbourhood Component Analysis for DDoS Attack Detection in Software-Defined Networking**

Tonkal O., POLAT H., Basaran E., Comert Z., Kocaoglu R.

ELECTRONICS, vol.10, no.11, 2021 (SCI-Expanded)

IX. **Turkish sign language recognition based on multistream data fusion**

Gunduz C., POLAT H.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.2, pp.1171-1186, 2021 (SCI-Expanded)

X. **Deep network approach with stacked sparse autoencoders in detection of DDoS attacks on SDN-based VANETInspec keywordsOther keywords**

Polat H., Turkoglu M., Polat O.

IET COMMUNICATIONS, vol.14, no.22, pp.4089-4100, 2020 (SCI-Expanded)

XI. **Detecting DDoS Attacks in Software-Defined Networks Through Feature Selection Methods and Machine Learning Models**

Polat H., Polat O., Çetin A.

SUSTAINABILITY, vol.12, no.3, 2020 (SCI-Expanded)

XII. **Building a Speech and Text Corpus of Turkish: Large Corpus Collection with Initial Speech Recognition Results**

Polat H., Oyucu S.

SYMMETRY-BASEL, vol.12, no.2, 2020 (SCI-Expanded)

XIII. **Classification of Pulmonary CT Images by Using Hybrid 3D-Deep Convolutional Neural Network Architecture**

Polat H., Danaei Mehr H.

APPLIED SCIENCES-BASEL, vol.9, no.5, 2019 (SCI-Expanded)

XIV. **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)

XV. **Diagnosis of Chronic Kidney Disease Based on Support Vector Machine by Feature Selection Methods**

Polat H., Danaei Mehr H., Çetin A.

JOURNAL OF MEDICAL SYSTEMS, vol.41, no.4, 2017 (SCI-Expanded)

XVI. **Token-based authentication method for M2M platforms**

POLAT H., OYUCU S.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.4, pp.2956-2967, 2017 (SCI-Expanded)

XVII. **Software development for the analysis of heartbeat sounds with LabVIEW in diagnosis of**

cardiovascular disease
Topal T., POLAT H., GÜLER İ.
JOURNAL OF MEDICAL SYSTEMS, vol.32, no.5, pp.409-421, 2008 (SCI-Expanded)

Articles Published in Other Journals

I. **Yarı denetimli makine öğrenmesi yöntemini kullanarak müzik türlerinin tespiti**
TURAN A. K., POLAT H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.12, no.1, pp.92-107, 2024 (Peer-Reviewed Journal)

II. **Preparing A Balanced Corpus for Development of Turkish Speech Synthesis Systems**
Oyucu S., Cücen M. S., Polat H.
Bilişim Teknolojileri Dergisi, vol.16, no.3, pp.237-249, 2023 (Peer-Reviewed Journal)

III. **A Language Model Optimization Method for Turkish Automatic Speech Recognition System**
Oyucu S., Polat H.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.26, no.3, pp.1167-1178, 2023 (ESCI)

IV. **Destek Vektör Makineleri Algoritması ile Uçtan Uca Yazar Tanıma Uygulaması Geliştirme**
ERDOĞAN İ., GÜLLÜ M., POLAT H.
El-Cezeri Journal of Science and Engineering, vol.9, no.4, pp.1303-1314, 2022 (Scopus)

V. **Reliability Improvement Of Communication Channels Between The Components Of Distributed Information Systems**
Olegovich T. M., Ahmad A. A., Porfirevich D. V., POLAT H., Ahmad A. A.
WEBOLOGY, vol.19, no.2, pp.5230-5240, 2022 (Scopus)

VI. **Diagnosis of polycystic ovary syndrome through different machine learning and feature selection techniques**
Danaei Mehr H., Polat H.
HEALTH AND TECHNOLOGY, vol.12, no.1, pp.137-150, 2022 (ESCI)

VII. **Text Authorship Identification Based On Ensemble Learning and Genetic Algorithm Combination in Turkish Text**
Güllü M., Polat H.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2021 (ESCI)

VIII. **Temsili Durum Transferi Yaklaşımı ile Akaryakıt İstasyonu ve Tüketicileri Üzerine Uygulama Geliştirme**
OYUCU S., POLAT H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.9, no.2, pp.171-181, 2021 (Peer-Reviewed Journal)

IX. **AN INTELLIGENT SOFTWARE DEFINED NETWORKING CONTROLLER COMPONENT TO DETECT AND MITIGATE DENIAL OF SERVICE ATTACKS**
Polat H., Polat O.
JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY, vol.20, no.1, pp.57-81, 2021 (ESCI)

X. **Traffic Classification and Comparative Analysis with Machine Learning Algorithms in Software Defined Networks**
TONKAL Ö., POLAT H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.9, no.1, pp.71-83, 2021 (Peer-Reviewed Journal)

XI. **Sessizliğin Kaldırılması ve Konuşmanın Parçalara Ayrılması İşleminin Türkçe Otomatik Konuşma Tanıma Üzerindeki Etkisi**
OYUCU S., POLAT H., SEVER H.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.1, pp.334-346, 2020 (Peer-Reviewed Journal)

XII. **Otomatik Konuşma Tanımaya Genel Bakış, Yaklaşımlar ve Zorluklar: Türkçe Konuşma Tanımanın**

Gelecekteki Yolu
OYUCU S., SEVER H., POLAT H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.7, no.4, pp.834-854, 2019 (Peer-Reviewed Journal)

XIII. **Otomatik Konuşma Tanıma Sistemlerinde Kullanılan Gerçek Metin Verisinde Biçimbilimsel-Sözdizimsel Hataların Tespiti ve Düzeltmesi**
POLAT H., SEVER H., OYUCU S., TEKBAŞ Ş.
Veri Bilimi, vol.2, no.2, pp.18-24, 2019 (Peer-Reviewed Journal)

XIV. **An Approach to Non-Relational Database-Based in the Storing of Heterogeneous Medical IoT Data**
POLAT H., OYUCU S.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.4, pp.989-998, 2019 (ESCI)

XV. **Effects of Cutting Parameters on Acoustic Frequency Created in Machining of Cold Work Tool Steels**
NALBANT M., POLAT H., ULAŞ H. B.
Gazi University Journal of Science PART A: ENGINEERING AND INNOVATION, vol.5, no.2, pp.65-78, 2018 (Peer-Reviewed Journal)

XVI. **TBMM Genel Kurul Tutanaklarından Yakın Anlamlı Kavramların Çıkarılması**
POLAT H., KÖRPE M.
Bilişim Teknolojileri Dergisi, vol.11, no.3, pp.235-244, 2018 (Peer-Reviewed Journal)

XVII. **Duyarlı Tasarım İle Bir M2M Platformunun Gerçekleştirilmesi**
OYUCU S., POLAT H.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.6, no.2, pp.11-21, 2018 (Peer-Reviewed Journal)

XVIII. **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)

XIX. **M2M ve IoT Platformları Üzerinde Prototip Uygulama Geliştirme**
OYUCU S., POLAT H.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.9, no.2, pp.11-20, 2017 (Peer-Reviewed Journal)

XX. **M2M Sistemlerin Akıllı Şebekeler Üzerine Uygulanabilirliği**
OYUCU S., POLAT H.
El-Cezeri Fen ve Mühendislik Dergisi, vol.3, no.1, pp.125-132, 2016 (Scopus)

XXI. **Lazer ve Çizgisel Ccd Algılayıcı Tabanlı Optik Çap Ölçüm Sisteminin Geliştirilmesi**
POLAT H.
Politeknik Dergisi, vol.17, no.2, pp.91-98, 2014 (Peer-Reviewed Journal)

XXII. **Development of Laser and Linear Ccd Sensor-Based Optical Diameter Measurement System**
POLAT H.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.17, no.2, pp.91-98, 2014 (ESCI)

XXIII. **Combining Neural Network and Genetic Algorithm for Prediction of Lung Sounds**
GÜLER İ., POLAT H., ERGÜN U.
Journal Of Medical Systems, vol.29, no.3, pp.217-231, 2005 (Scopus)

XXIV. **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)

XXV. **A Simple Computer-Based Measurement and Analysis System of Pulmonary Auscultation Sounds**
POLAT H., GÜLER İ.
Journal Of Medical Systems, vol.28, no.6, pp.665-672, 2004 (Scopus)

XXVI. **Elektronik Stetoskopun Akciğer Oskültasyon Yeteneğinin İncelenmesi ve Akciğer Seslerinin Spektral Analizi**
POLAT H., DARILMAZ M.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.6, no.4, pp.613-618, 2003 (Peer-Reviewed Journal)

XXVII. **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)

XXVIII. **Bilgisayar Ağlarının Ölçeklendirilmesi ve Ağlarda Fiber Optik Teknolojilerin Kullanılması**
GÖKTAŞ H. H., POLAT H.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.3, no.4, pp.23-29, 2000 (Peer-Reviewed Journal)

XXIX. **NC Bir Takım Tezgahından CNC bir Takım Tezgahına Dönüştürülen Tezgah için Yazılım Uygulaması**
ELMAS Ç., POLAT H.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.2, no.3, pp.71-77, 1999 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Bulut Bilişim Güvenliği**
Polat H.
in: Bilişim Teknolojileri Güvenliği, Nursel Yalçın,Hüseyin Çakır, Editor, Nobel Yayınevi, Ankara, pp.343-371, 2023

II. **Yapay Sinir Ağları**
POLAT H., OYUCU S.
in: Yapay Zeka Kuramdan Uygulamaya, Çakır Hüseyin, Uluyol Çelebi, Editor, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK, Ankara, pp.95-132, 2022

III. **Makine Öğrenmesi**
POLAT H., OYUCU S.
in: Yapay Zeka Kuramdan Uygulamaya, Çakır Hüseyin, Uluyol Çelebi, Editor, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK, Ankara, pp.133-173, 2022

IV. **Konuşma Tanıma**
OYUCU S., POLAT H.
in: Yapay Zeka Kuramdan Uygulamaya, Çakır Hüseyin, Uluyol Çelebi, Editor, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK, Ankara, pp.243-273, 2022

V. **Nesnelerin İnterneti Veri Yönetimi Ve Analitiği**
Oyucu S., Polat H.
in: Nesnelerin İnterneti Kuramdan Uygulamaya, Çakır Hüseyin,Uluyol Çelebi, Editor, Nobel Yayınevi, Ankara, pp.127-157, 2021

VI. **İletişim Protokolleri**
Polat H., Oyucu S.
in: Nesnelerin İnterneti Kuramdan Uygulamaya, Çakır Hüseyin,Uluyol Çelebi, Editor, Nobel Yayınevi, Ankara, pp.13-53, 2021

VII. **Bilgisayar Ağları ve Adli Bilişim**
POLAT H.
in: Adli Bilişim ve Elektronik Deliller, Hüseyin Çakır, Mehmet Serkan Kılıç, Editor, Seçkin Yayıncılık, Ankara, pp.97-135, 2014

Refereed Congress / Symposium Publications in Proceedings

I. **Turkish Speech Synthesis: A Review**
CÜCEN M. S., OYUCU S., POLAT H.
5nd International Conference on Data Science and Applications ICONDATA'22, FETHİYE, Turkey, 7 - 11 September 2022

II. **Developing a Deep Learning-Based Mobile Application to Detect Solid Wastes**

OYUCU S., POLAT H.

Intelligent Systems and Applications Conference (ASYU 2022), Antalya, Turkey, 7 - 09 September 2022

III. **Destek Vektör Makineleri Algoritması ile Uçtan Uca Yazar Tanıma Uygulaması Geliştirme**
ERDOĞAN İ., GÜLLÜ M., POLAT H.

International Conference on Artificial Intelligence and Applied Mathematics 2022 (ICAIAME 2022), Baku, Azerbaijan, 20 - 22 May 2022

IV. **A New Method for Energy Saving on Wireless Sensor Network Based on Clustering Method**
AHMAD A. A., POLAT H., KOÇAK C., OLEGOVICH T. M., AHMAD A. A.

8th International Conference on Multidisciplinary Sciences (8thicomus), Antalya, Turkey, 2 - 04 March 2022, pp.412-421

V. **Breast Cancer Predication Using Data Mining Techniques**
Ahmad A. A., POLAT H., Olegovich T. M., Ahmad A. A., Porfirevich D. V.

8 th International Conference on Multidisciplinary Sciences (8th icomus), Antalya, Turkey, 2 - 04 March 2022, pp.401-41

VI. **Author Identification with Chicken Swarm Optimization Algorithm and Adaboost Approaches**
Güllü M., Polat H., Çetin A.

2020 5th International Conference on Computer Science and Engineering (UBMK), Diyarbakır, Turkey, 9 - 11 September 2020, pp.290-294

VII. **Web Service-Based Turkish Automatic Speech Recognition Platform**
Oyucu S., Polat H., Sever H.

2020 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Ankara, Turkey, 26 - 28 June 2020, pp.1-5

VIII. **Yazılım Tanımlı Ağlarda Paket Gecikmesinin Ölçümü için Etkin Bir Yöntem**
Tonkal Ö., Polat H.

7. Uluslararası Bilimsel Araştırmalar Kongresi, Ankara, Turkey, 13 - 14 March 2020, pp.35-44

IX. **Classification of Chronic Kidney Disease by Machine Learning Methods**
GÜLLÜ M., POLAT H.

3. Uluslararası GAP Matematik-Mühendislik-Fen ve Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 29 November - 01 December 2019, pp.120-129

X. **Performance Analysis of Between Software Defined Wireless Network and Mobile Ad Hoc Network Under DoS Attack**
Polat H., Söğüt E., Polat O., Erdem O. A.

2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019

XI. **A Method Based on Natural Language Processing for Identify and Correct Errors in Text Data**
POLAT H., SEVER H., OYUCU S., TEKBAŞ Ş.

2nd International Conference on Data Science and Applications (ICONDATA'19), Balıkesir, Turkey, 3 - 06 October 2019

XII. **Human Activity Recognition in Smart Home With Deep Learning Approach**
Mehr H. D., Polat H.

2019 7th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), İstanbul, Turkey, 25 - 26 April 2019, pp.149-153

XIII. **Akciğer Seslerinin Zaman Düzlemi Analizleri ile Islık ve Çıtırtı Seslerinin Tespiti Diagnosis Of Wheeze And Crackle Sounds By Time Domain Analysis Of Lung Sounds**
POLAT H.

4th International Scientific Research Congress (IBAD-2019), Uppsala, Sweden, 25 - 26 April 2019

XIV. **Collecting the Data Required to Develop aPersonalized Speech Recognition System tobe used in the Internet of Things Ecosystem**
SAYGIN A., POLAT H., AKSÖZ A., OYUCU S.

INTERNATIONAL CONFERENCE ONENGINEERING AND NATURAL SCIENCES, Prague, Czech Republic, 12 - 16 June 2019

XV. **Collecting the Data Required to Develop a Personalized Speech Recognition System to be used in the Internet of Things**
SAYGIN A., POLAT H., AKSÖZ A., OYUCU S.
5th International Conference on Engineering and Natural Sciences (ICENS2019), Praque, Czech Republic, 12 - 16 June 2019

XVI. **Cloud Based Speech Recognition Approach for Smart Home Systems**
OYUCU S., AKSÖZ A., POLAT H., SEVER H.
5th International Conference on Engineering and Natural Sciences (ICENS2019), Praque, Czech Republic, 12 - 16 June 2019

XVII. **Fingerspelling Recognition on Mobile Phones**
GÜNDÜZ C., POLAT H.
International Conference on Data Science and Applications (ICONDATA 2018), Yalova, Turkey, 4 - 07 October 2018

XVIII. **Fuzzy Logic Based Classification For Early Threshold Of Chronic Kidney Disease**
Haji Abad Z. T., POLAT H.
II. International Scientific and Vocational Studies Congress. II. Uluslararası Bilimsel Ve Mesleki Çalışmalar Sempozyumu (Bilmes 2018), Nevşehir, Turkey, 5 - 08 July 2018, pp.1482-1488

XIX. **A New Comparison Study in Smart Grid: The Most Suitable Database for Wind Turbine Data**
AKSÖZ A., OYUCU S., SAYGIN A., POLAT H.
International Conference on Information System, Computer Engineering and Applications (ICISCEA 2018), Munich, Germany, 7 - 08 May 2018

XX. **Data Storage in Smart Grid Systems**
YILMAZ E. N., POLAT H., OYUCU S., AKSÖZ A., SAYGIN A.
6th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), İstanbul, Turkey, 25 - 26 April 2018, pp.110-113

XXI. **Online Video Content Analysis System**
OYUCU S., POLAT H.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.27-31

XXII. **The Effects of DoS Attacks on ODL and POX SDN Controllers**
POLAT H., POLAT O.
2017 8th International Conference on Information Technology (ICIT), Amman, Jordan, Jordan, 17 - 18 May 2017, pp.554-558

XXIII. **Recommendations for xDSL Technologies and Applications**
Söğüt E., Oyucu S., Erdem O. A., Polat H.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017, pp.1166-1172

XXIV. **A M2M Platform for Remote Monitoring of Health Status Knowledge**
OYUCU S., AKSÖZ A., POLAT H.
3rd International Conference on Engineering and Natural Science (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017

XXV. **Proposal of a New Protocol Against Blackhole Attack in AODV Networks**
KOÇAK C., POLAT H., TOSUNOĞLU B. A., ŞAHİN Ö.
International Congress on Applied Science and Technology, Malaga, Spain, 17 - 20 April 2017

XXVI. **Visions and Demands for 5G Multi-Tier Cellular Networks**
POLAT H., MEHR H. D., KOÇAK C.
International Congress on Applied Science and Technology, Malaga, Spain, 17 - 20 April 2017

XXVII. **Energy Consuption Monitoring with Smart Lamp Socket for Smart Grid via M2M Platform**
OYUCU S., POLAT H., AKSÖZ A., SAYGIN A., YILMAZ E. N.
5th International Istanbul Smart Grid and Cities Congress and Fair (ICSG), İstanbul, Turkey, 19 - 21 April 2017, pp.80-84

XXVIII. **Distributed denial of service attacks against SDN controllers**

POLAT H., POLAT O.

1st International MediterraneanScience and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

XXIX. **Gömülü sistem programlama için kullanıcı arayüzü geliştirmeteknikleriUser Interface Development Techniques for Embedded Systems Programming**

OYUCU S., POLAT H.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1134-1135

XXX. **Bir Bütün Olarak M2M ve IoT Güvenliği**

OYUCU S., POLAT H.

9. Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı (ISCTurkey 2016), Ankara, Turkey, 25 - 26 October 2016

XXXI. **M2M ve IoT Platformları Üzerinde Prototip Uygulama Geliştirme**

OYUCU S., POLAT H.

Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2016), Tekirdağ, Turkey, 20 - 23 October 2016

XXXII. **Development of an M2M Platform with a Responsive Design**

OYUCU S., POLAT H.

International Conference on Mathematics and Mathematics Education (ICMME-2016), Elazığ, Turkey, 12 - 14 May 2016

XXXIII. **Finding a Best Parking place Using Exponential Smoothing and Cloud System in a Metropolitan Area**

Majidi A., POLAT H., ÇETİN A.

4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.80-84

XXXIV. **Resident Activity Recognition in Smart Homes by Using Artificial Neural Networks**

Mehr H. D., POLAT H., ÇETİN A.

4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.75-79

XXXV. **Görme Engelli Bireyler için Ev Ortamının Kontrolü ve Ebeveynleri için Uzaktan İzlenmesi**

OYUCU S., SÖĞÜT E., POLAT H., ERDEM O. A.

Engellilerin Sosyal Refahı Açısından Uluslararası Bilgi ve İletişim Teknolojileri Kongresi 2015, Ankara, Turkey, 9 - 11 October 2015

XXXVI. **Mobil Platformlarda Gizli Ağ Saldırılarının Önlenmesi Ve Mobil Uygulaması**

OYUCU S., POLAT H., DOĞRU İ. A.

VIII. Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı (ISCTurkey2015), Ankara, Turkey, 30 - 31 October 2015

XXXVII. **M2M SİSTEMLERİN AKILLI ŞEBEKELER ÜZERİNE UYGULANABİLİRLİĞİ**

OYUCU S., POLAT H.

M2M SİSTEMLERİN, AKILLI ŞEBEKELER ÜZERİNE UYGULANABİLİRLİĞİ, Düzce, Turkey, 10 - 12 September 2014

XXXVIII. **M2M SİSTEMLERDE SQL VEYA NOSQL KULLANIMI**

OYUCU S., POLAT H.

Akademik Bilişim Konferansı, Eskişehir, Turkey, 4 - 06 February 2014

Supported Projects

POLAT H., ULAŞ H. B., Project Supported by Higher Education Institutions, Hidrolik Konum Kontrolü, 2010 - 2015

POLAT H., Project Supported by Higher Education Institutions, CCD DOĞRUSAL GÖRÜNTÜ ALGILAYICI TABANLI OPTİK MİKROMETRE TASARIMI VE GELİŞTİRİLMESİ, 2012 - 2014

POLAT H., Project Supported by Other Official Institutions, Bilim Sanayi ve Teknoloji Bakanlığı Teknogirişim Projesi 0513 TGSD 2011 TEMASSIZ HASSAS ÖLÇÜM DÜZENEKLERİ İÇİN ÖLÇÜM İZLEME VE ÖLÇÜM ANALİZ YAZILIMI GELİŞTİRİLMESİ, 2011 - 2012

POLAT H., Project Supported by Higher Education Institutions, GENETİK VE YAPAY SİNİR AĞLARINI KULLANARAK SOLUNUM SESLERİNİN TEŞHİS AMAÇLI SINIFLANDIRILMASI, 2002 - 2005

POLAT H., Project Supported by Higher Education Institutions, PC TABANLI ÇOK KANALLI BİR ELEKTRONİK STETOSKOP UYGULAMASI VE AKCİĞER SES HARİTASININ ÇIKARILMASI, 2003 - 2004

Patent

POLAT H., OYUCU S., Akıllı aydınlatma yönetim sistemi, Patent, CHAPTER H Electricity, 2019

Activities in Scientific Journals

Bilişim Teknolojileri Dergisi, Committee Member, 2019 - Continues

Metrics

Publication: 91
Citation (WoS): 425
Citation (Scopus): 753
H-Index (WoS): 11
H-Index (Scopus): 12

Non Academic Experience

İLERTEK