

Res. Asst. PhD FULYA AKDENİZ

Personal Information

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2017 - 2024

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2013 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2009 - 2013

Dissertations

Doctorate, AKILLI YÖNTEMLER KULLANILARAK SES İŞARETLERİNDEN SAHTECİLİK TESPİTİ, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2024

Research Areas

Biomedical Engineering, Biosignal Processing, Telemedicine, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2023 - Continues

Research Assistant, Kocaeli University, 2017 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Recurrent neural network and long short-term memory models for audio copy-move forgery detection: a comprehensive study**
Akdeniz F., BECERİKLİ Y.
Journal of Supercomputing, vol.80, no.12, pp.17575-17605, 2024 (SCI-Expanded)
- II. Detecting audio copy-move forgery with an artificial neural network**
Akdeniz F., BECERİKLİ Y.
Signal, Image and Video Processing, vol.18, no.3, pp.2117-2133, 2024 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. A Review of a Research in Autonomous Vehicles with Embedded Systems**
Akdeniz F., Atay M., Vural Ş., Savaş B. K., BECERİKLİ Y.

8th International Conference on Smart City Applications, SCA 2023, Paris, France, 4 - 06 October 2023, vol.906 LNNS, pp.229-239

- II. **A Comparative Study Based on Deep Learning and Machine Learning Methods for COVID-19 Detection Using Audio Signal**
Akdeniz F., Damar M. N., Danacı B. İ., Savaş B. K., BECERİKLİ Y.
8th International Conference on Smart City Applications, SCA 2023, Paris, France, 4 - 06 October 2023, vol.906 LNNS, pp.457-466
- III. **A Comparative Analysis of SVM, LSTM and CNN-RNN Models for the BBC News Classification**
Karaman Y., Akdeniz F., Savaş B. K., BECERİKLİ Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.473-483
- IV. **Real Time Multi-digit Number Recognition System Using YOLOv3 and YOLOv5**
Irmak M. A., Akgün H., Ekşi E., Öztürk S., Akdeniz F., Savaş B. K., BECERİKLİ Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.463-472
- V. **Linear Prediction Coefficients based Copy-Move Forgery Detection in Audio Signal**
Akdeniz F., BECERİKLİ Y.
6th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2022, Ankara, Turkey, 20 - 22 October 2022, pp.770-773
- VI. **Detection of Copy-Move Forgery in Audio Signal with Mel Frequency and Delta-Mel Frequency Cepstrum Coefficients Ses Sinyallerinde Kopyala-Yapıştır Sahteciliginin Mel Frekansı ve Delta-Mel Frekansı Cepstrum Katsayıları ile Tespiti**
Akdeniz F., BECERİKLİ Y.
2021 Innovations in Intelligent Systems and Applications Conference, ASYU 2021, Elazığ, Turkey, 6 - 08 October 2021
- VII. **AKEL: Smart Glove Design that Recognizes Turkish Sign Language and An Android Operating System Based Mobile Application**
YAVUZ E., OZER A., AKDENİZ F., BECERİKLİ Y.
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 - 17 October 2020, pp.1-5
- VIII. **Ses Sinyalleri ile Cinsiyet Tespitinde Destek Vektör Makineleri, K- En Yakın Komşuluk, Yapay Sinir Ağları ve Tekrarlayan Sinir Ağları Algoritmalarının Performans Değerlendirmesi (Performance Comparison of Support Vector Machine, K-Nearest-Neighbor, Artificial Neural Networks, and Recurrent Neural networks in Gender Recognition from Voice Signals)**
AKDENİZ F., BECERİKLİ Y.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT2019), Ankara, Turkey, 11 - 13 October 2019
- IX. **Performance Comparison of Support Vector Machine and K-Nearest Neighbor Algorithms in Leaf Recognition System Based on Android Operating System**
ÇELEBİ O., ERGİN C., BADEM A., AKDENİZ F., BECERİKLİ Y.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, 11 - 13 October 2019
- X. **Detection of ECG arrhythmia using Zhao-Atlas Mark time-frequency distribution**
AKDENİZ F., KAYIKÇIOĞLU T.
2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XI. **Real-time monitoring of ST change for telemedicine**
Kayıkçioğlu İ., AKDENİZ F., Kayıkçioğlu T., Kaya İ.
International Conference on Medical and Biological Engineering, CMBEBIH 2017, Sarajevo, Bosnia And Herzegovina, 16 - 18 March 2017, pp.671-677
- XII. **Detection of ECG Arrhythmia Using Large Choi Williams Time-Frequency Feature Set**
Akdeniz F., KAYIKÇIOĞLU T.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017

- XIII. **Using wigner-ville distribution in ECG arrhythmia detection for telemedicine applications**
AKDENİZ F., Kayıkçiođlu İ., Kaya İ., Kayıkçiođlu T.
2016 39th International Conference on Telecommunications and Signal Processing, TSP 2016, Viyana, Austria, 27 - 29 June 2016, pp.409-412
- XIV. **Wigner-Ville distribution based ECG arrhythmia detection for telemedicine applications**
Kayıkçiođlu İ., AKDENİZ F., Kayıkçiođlu T.
24th Signal Processing and Communication Application Conference, SIU 2016; Zonguldak, Zonguldak, Turkey, 16 - 19 May 2016, pp.2045-2048

Supported Projects

Akdeniz F., Kır Savaş B., Madadum H., Sayar A., Kul S., Becerikli Y., Project Supported by Higher Education Institutions, 2019-GÖRÜNTÜ İŞLEME VE BİLGİSAYAR GÖRMESİ ARGE LABORATUVARI, 2019 - 2020

Kaya İ., Kayıkçiođlu T., TUBITAK Project, 114E452 Kablosuz Vücut Algılayıcı Ağları Ve Uzaktan Hasta Takip Sistemi, 2015 - 2017

Metrics

Publication: 18
Citation (WoS): 1
Citation (Scopus): 3
H-Index (WoS): 1
H-Index (Scopus): 1