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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-6145-2019

Yoksis Researcher ID: 229147

Education Information

Doctorate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2017 - Continues

Postgraduate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2009 - 2013

Dissertations

Postgraduate, İmleç Hareketinin Hayali Sırasında Kaydedilmiş EEG Sinyallerinin Sınıflandırmasını Kolaylaştırmak Amacıyla Yeni Bir Dönüşüm Yöntemi, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2017

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Biomedical Engineering, Biosignal Processing, Biosignal Processing, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2023 - Continues

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2014 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Advancements in Image Feature-Based Classification of Motor Imagery EEG Data: A Comprehensive Review**
Yılmaz Ç. M., Yılmaz B. H.
TRAITEMENT DU SIGNAL, vol.40, no.5, pp.1857-1868, 2023 (SCI-Expanded)
- II. **A novel signal to image transformation and feature level fusion for multimodal emotion recognition**
Hatipoglu Yilmaz B., Kose C.
BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, vol.66, no.4, pp.353-362, 2021 (SCI-Expanded)

- III. **Diversity in a signal-to-image transformation approach for EEG-based motor imagery task classification**
Yilmaz B. H., Yilmaz C. M., Kose C.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.58, no.2, pp.443-459, 2020 (SCI-Expanded)
- IV. **A signal-to-image transformation approach for EEG and MEG signal classification**
Hatipoglu B., YILMAZ Ç. M., KÖSE C.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.13, no.3, pp.483-490, 2019 (SCI-Expanded)
- V. **A Quasi-probabilistic distribution model for EEG Signal classification by using 2-D signal representation**
YILMAZ Ç. M., KÖSE C., Hatipoglu B.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.162, pp.187-196, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparison of Two Appearance based Methods for Gender Recognition**
HATİPOĞLU B., YILMAZ Ç. M., KÖSE C.
Signal Processing and Communications Applications Conference (SIU), 2017 25th, Antalya, Turkey, pp.1
- II. **Classifying Cursor Movement EEG Signals using a Signal-to-Image Transformation Approach**
HATİPOĞLU YILMAZ B., YILMAZ Ç. M., KÖSE C.
TIPTEKNO 'xx19 Tıp Teknolojileri Kongresi, 3 - 05 October 2019
- III. **Prediction of Eye States using k-NN Algorithm: A Comparison Study for Different Distance Metrics and Number of Neighbour Parameters**
YILMAZ Ç. M., Yilmaz B. H., KÖSE C.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.326-329
- IV. **Classification of the EEG Signals for the Cursor Movement with the Signal-to-Image Transformation**
Yilmaz B. H., YILMAZ Ç. M., KÖSE C.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.483-486
- V. **Classification of Wrist Movements in Different Directions based on MEG Signals**
HATİPOĞLU YILMAZ B., YILMAZ Ç. M., KÖSE C., AYDEMİR Ö.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- VI. **A Gender Recognition System from Facial Images using SURF based BoW Method**
HATİPOĞLU B., KÖSE C.
International Conference on Computer science and Engineering UBMK17, 20 - 23 September 2017
- VII. **A Comparison of Two Appearance based Methods for Gender Recognition**
HATİPOĞLU B., YILMAZ Ç. M., KÖSE C.
Signal Processing and Communications Applications Conference (SIU), 2017 25th, Antalya, Turkey, 15 - 18 May 2017, pp.1-4
- VIII. **A comparison of two appearance based methods for gender recognition**
HATİPOĞLU B., YILMAZ Ç. M., KÖSE C.
2017 25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017, pp.1-4
- IX. **A Comparison of Two Appearance Based Methods for Gender Recognition**
HATİPOĞLU YILMAZ B., YILMAZ Ç. M., KÖSE C.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- X. **A Gender Recognition System fro Facial ages using SURF based BoW Method**
HATİPOĞLU YILMAZ B., KÖSE C.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.989-993
- XI. **Gender Recognition from Face Images Using PCA and LBP**
HATİPOĞLU YILMAZ B., KÖSE C.

Supported Projects

HATİPOĞLU YILMAZ B., KÖSE C., TUBITAK Project, Sinyal Görüntü Dönüşümü Yöntemi Yardımıyla Çok Yönlü Duygu Tanıma Sisteminin Geliştirilmesi, 2021 - Continues

Hatipoğlu Yılmaz B., Yılmaz Ç. M., Sağlam Aykut D., Köse C., Baykal Kablan E., TUBITAK Project, Sesli-Görsel-Zihinsel Çok Modlu Tanıma Yaklaşımlarıyla Duygu Durum Analizinde Sinyal Görüntü Dönüşümü Ve Evrişimli Sinir Ağı Modelinin Birlikte Kullanılması, 2024 - 2026

Yılmaz Ç. M., Köse C., TUBITAK Project, EEG Temelli Beyin Bilgisayar Arayüzü Sistemlerine ait Motor Hareket Hayali Görevlerinin Sınıflandırılmasına Yönelik Örüntü Tanıma Yöntemlerin Geliştirilmesi , 2020 - 2021

Metrics

Publication: 18

Citation (WoS): 48

Citation (Scopus): 57

H-Index (WoS): 4

H-Index (Scopus): 5

Congress and Symposium Activities

Medical Technologies National Conference (TIPTEKNO, Attendee, İzmir, Turkey, 2019

Signal Processing and Communications Applications (SIU), Attendee, İzmir, Turkey, 2018

Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı, Attendee, Antalya, Turkey, 2017

Sinyal İşleme ve İletişim Uygulamaları (SIU) Kurultayı, Attendee, Zonguldak, Turkey, 2016

9th International Conference on Electrical and Electronics Engineering (ELECO), Attendee, Bursa, Turkey, 2015