

## Res. Asst. BAHAR HATİPOĞLU YILMAZ

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2017 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 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

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

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A novel signal to image transformation and feature level fusion for multimodal emotion recognition.**  
Hatipoglu Yilmaz B., Kose C.  
Biomedizinische Technik. Biomedical engineering, vol.66, pp.353-362, 2021 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **A Quasi-probabilistic distribution model for EEG Signal classification by using 2-D signal representation**  
YILMAZ Ç. M. , KÖSE C., Hatipoglu B.

## 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.  
2019 Medical Technologies Congress, TIPTEKNO 2019, İzmir, Turkey, 3 - 05 October 2019
- 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. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- 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. **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
- XII. **Gender recognition from face images using PCA and LBP**  
HATİPOĞLU B., KÖSE C.  
2015 9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.1258-1262
- XIII. **Gender Recognition from Face Images Using PCA and LBP**  
HATİPOĞLU YILMAZ B., KÖSE C.  
9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.1258-1262

## Supported Projects

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

YILMAZ Ç. M. , KÖSE C., HATİPOĞLU YILMAZ B., TUBITAK Project, EEG Temelli Beyin Bilgisayar Arayüzü Sistemlerine ait Motor Hareket Hayali Görevlerinin Sınıflandırılmasına Yönelik Örüntü Tanıma Yöntemlerin Geliştirilmesi, Continues

## Edit 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 (SİU) Kurultayı, Attendee, Zonguldak, Turkey, 2016

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

## Citations

Total Citations (WOS):13

h-index (WOS):3