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International Researcher IDs

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Education Information

2008 - 2013

Doctorate, Yıldız Technical University, Faculty Of Electrical & Electronics, Computer Engineering,
Turkey

Research Areas

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

Academic Titles / Tasks

2019 - Continues

Assistant Professor, Yıldız Technical University, Bilgisayar Mühendisliği

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Long-term traffic flow estimation: a hybrid approach using location-based traffic characteristic**
Ayar T., Atınar F., GÜVENSAN M. A., TÜRKMEN ÇİLİNGİR H. İ.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.3, pp.562-578, 2022
(SCI-Expanded)
- II. **Advanced computing solutions for analysis of laryngeal disorders.**
Turkmen H. İ., Karşlıgil M. E.
Medical & biological engineering & computing, vol.57, pp.2535-2552, 2019 (SCI-Expanded)
- III. **Visible Vessels of Vocal Folds: Can They Have a Diagnostic Role?**
Turkmen H. İ., Karşlıgil M. E., Kocak I.
CURRENT MEDICAL IMAGING, vol.15, no.8, pp.785-795, 2019 (SCI-Expanded)
- IV. **A Novel Segment-Based Approach for Improving Classification Performance of Transport Mode Detection**
GÜVENSAN M. A., DUSUN B., CAN B., TURKMEN H. İ.
SENSORS, vol.18, no.1, 2018 (SCI-Expanded)
- V. **Superpixel-based segmentation of glottal area from videolaryngoscopy images**
Turkmen H. İ., Albayrak A., Karşlıgil M. E., Kocak I.
JOURNAL OF ELECTRONIC IMAGING, vol.26, no.6, 2017 (SCI-Expanded)
- VI. **An Energy-Efficient Multi-Tier Architecture for Fall Detection on Smartphones**
GÜVENSAN M. A., KANSIZ A. O., Camgoz N. C., TURKMEN H. İ., YAVUZ A. G., KARSLIGIL M. E.
SENSORS, vol.17, no.7, 2017 (SCI-Expanded)
- VII. **Classification of laryngeal disorders based on shape and vascular defects of vocal folds**
Turkmen H. İ., Karşlıgil M. E., Koçak I.

COMPUTERS IN BIOLOGY AND MEDICINE, vol.62, pp.76-85, 2015 (SCI-Expanded)

VIII. **Dysphonic Speech Reconstruction : Construction of a Novel System for Effective and Efficient Communication**

TÜRKMEN ÇİLİNGİR H. İ., KARSLIGİL YAVUZ M. E.

IEEE ENGINEERING IN MEDICINE AND BIOLOGY MAGAZINE, vol.1, pp.135-138, 2010 (SCI-Expanded)

Articles Published in Other Journals

I. **Süper Piksel Tabanlı Otomatik Kanlı Bölge Tespit Sistemi**

Dursun Ö. F., Türkmen Çilingir H. İ.

International journal of advances in engineering and pure sciences (Online), vol.33, no.1, pp.28-38, 2021 (Peer-Reviewed Journal)

II. **MARKOV MODEL TABANLI ÇİFT ENSTRUMANLI MÜZİK BESTELEME**

Türkmen Çilingir H. İ.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.4, pp.1236-1247, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Linear Discriminant Analysis in Ottoman Alphabet Character Recognition**

KURT Z., TÜRKMEN ÇİLİNGİR H. İ., KARSLIGİL YAVUZ M. E.

in: Lecture Notes in Electrical Engineering: Proceedings of the European Computing Conference 2007, Mastorakis N., Mladenov V., Kontargyri V., Editor, Springer-Verlag, Atina, pp.601-607, 2009

Refereed Congress / Symposium Publications in Proceedings

I. **Long-term Traffic Speed Estimation via Regression using Weekly Day Patterns**

YASLI F., TÜRKMEN ÇİLİNGİR H. İ., GÜVENSAN M. A.

2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, Turkey, 31 October - 02 November 2019

II. **Selection of Time Domain Features for Fall Detection Based on Supervised Learning**

KANSİZ A. O., GÜVENSAN M. A., TÜRKMEN ÇİLİNGİR H. İ.

Proceedings of the World Congress on Engineering and Computer Science, San Francisco, CA, USA. 2013, San Francisco, United States Of America, 23 - 25 October 2013, vol.2, pp.23-25

III. **CLASSIFICATION OF VOCAL FOLD NODULES AND CYSTS BASED ON VASCULAR DEFECTS OF VOCAL FOLDS**

Turkmen H. İ., Karsligil M. E., Koçak I.

23rd IEEE International Workshop on Machine Learning for Signal Processing (MLSP), Southampton, United Kingdom, 22 - 25 September 2013

IV. **Videolaringostroboskopi Görüntülerinden Ses Teli Üzerindeki Damarların Otomatik Olarak Belirlenmesi**

TÜRKMEN ÇİLİNGİR H. İ.

Sinyal İşleme ve İletişim Uygulamaları Kurultayı, 01 April 2012

V. **Assessment of Videolaringostroboscopy Images Based on Visible Vessels Of Vocal Folds**

Turkmen H. İ., Karsligil M. E., Koçak I.

34th Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), California, United States Of America, 28 August - 01 September 2012, pp.6251-6254

VI. **Konuşma Dili Kullanarak Demografi Bilgilerin Sınıflandırılması**

TÜRKMEN ÇİLİNGİR H. İ., DİRİ B., BİRİCİK G., DOĞAN R.

IEEE 19. Sinyal İşleme ve Uygulama Kurultayı, Antalya, Turkey, 20 April 2011, pp.1-5

- VII. **Akustik ve Sismik Sinyallerinden Araç Tanıma**
Türkmen H., SARI T., Karşılıgil M., Yavuz A.
SİU, 01 April 2010
- VIII. **Disfonik Konuşmanın Yeniden Yapılandırılarak Normal Konuşma Elde Edilmesi**
TÜRKMEN ÇİLİNGİR H. İ.
Sinyal İşleme ve İletişim Uygulamaları Kurultayı, 01 April 2009
- IX. **Reconstruction of Dysphonic Speech by MELP**
TÜRKMEN ÇİLİNGİR H. İ., KARSLIGİL YAVUZ M. E.
13th Iberoamerican Congress on Pattern Recognition: Progress in Pattern Recognition, Image Analysis and Applications - 2008, Havana, Cuba, 09 September 2008, pp.767-774
- X. **Karma Uyarımlı Doğrusal Öngörüm Kodlaması Tabanlı Fısıltılı Konuşmadan Normal Konuşma Elde Etme Sistemi**
TÜRKMEN ÇİLİNGİR H. İ.
Sinyal İşleme ve İletişim Uygulamaları Kurultayı, 01 April 2008
- XI. **Global Feature Based Female facial Beauty Decision System**
TÜRKMEN ÇİLİNGİR H. İ., KURT Z., KARSLIGİL YAVUZ M. E.
The 15th European Signal Processing Conference - 2007, Poznan, Poland, 03 September 2007, pp.1945-1949
- XII. **Linear Discriminant Analysis in Ottoman Alphabet Character Recognition**
KURT Z., Turkmen H. I., Karşılıgil M. E.
European Computer Conference-ECC, (Lecture Notes in Electrical Engineering, 2009), 01 September 2007
- XIII. **A Database of Non Manual Signs in Turkish Sign Language**
ARAN O., ARI İ., GÜVENSAN M. A., Haberdar H., KURT YAVUZ Z., TÜRKMEN ÇİLİNGİR H. İ., UYAR A., AKARUN ERSOY L.
Signal Processing and Communications Applications, 2007. SIU 2007. IEEE 15th, Turkey, 11 - 13 June 2007
- XIV. **DAA Yöntemi ile Osmanlıca Karakter Tanıma**
KURT Z., Türkmen H. İ., Karşılıgil M. E.
Sinyal İşleme Uygulamaları (SİU), 01 June 2007
- XV. **Türk İşaret Dili Yüz İfadesi ve Baş Hareketi Veritabanı**
Ari İ., Güvensan A., Haberdar H., KURT Z., Türkmen İ., Uyar A., Akarun L.
Sinyal İşleme Uygulamaları (SİU), 01 June 2007
- XVI. **Türk İşaret Diline Yönelik Yüz İfadesi ve Kafa Hareketi Tanıma Sistemi**
KURT Z., Uyar A., Türkmen H. İ.
Sinyal İşleme Uygulamaları (SİU), 01 June 2007

Metrics

Publication: 28

Citation (WoS): 57

Citation (Scopus): 70

H-Index (WoS): 4

H-Index (Scopus): 4