

Lect. PhD ZAFER YAVUZ

Personal Information

Office Phone: [+90 462 377 3668](tel:+904623773668)

Email: zaferyavuz@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//zaferyavuz>

Address: KTÜ Bilgisayar Mühendisliği Bölümü, 61080, Trabzon

International Researcher IDs

ScholarID: ZMimDOsAAAAJ

ORCID: 0000-0002-8427-066X

Publons / Web Of Science ResearcherID: K-8769-2015

ScopusID: 24725944400

Yoksis Researcher ID: 152610

Education Information

Doctorate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2007 - Continues

Postgraduate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2004 - 2007

Undergraduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, Turkey 1999 - 2004

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Bilgisayarlı dudak okuma / Automatic lipreading, Karadeniz Technical University, -, Bilgisayar Mühendisliği, 2007

Research Areas

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

Academic Titles / Tasks

Expert, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2005 - Continues

Research Assistant, Karadeniz Technical University, -, Bilgisayar Mühendisliği, 2005 - 2005

Courses

Mikroişlemci Lab., Undergraduate, 2014 - 2015, 2013 - 2014

Bilgisayar Ağları Lab., Undergraduate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Intelligent ice detection on wind turbine blades using semantic segmentation and class activation map approaches based on deep learning method**
Haciefendioğlu K., Başağa H. B., Yavuz Z., Karımı M. T.
RENEWABLE ENERGY, vol.182, 2022 (SCI-Expanded)
- II. **Blood Vessel Extraction in Color Retinal Fundus Images with Enhancement Filtering and Unsupervised Classification**
YAVUZ Z., KÖSE C.
JOURNAL OF HEALTHCARE ENGINEERING, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Denetimli Sınıflandırma Yöntemleri ile Retinal Kan Damarı Bölütleme**
YAVUZ Z., KÖSE C.
TÜRKİYE BİLİŞİM VAKFI BİLGİSAYAR BİLİMLERİ ve MÜHENDİSLİĞİ DERGİSİ, vol.8, no.1, pp.13-23, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Retinal image identification method using Blood vessel Topological information**
YAVUZ Z., KÖSE C.
TIPTEKNO 2017, 12 - 15 October 2017
- II. **A Retinal Image Identification Method using Blood Vessel Topological Information**
YAVUZ Z., KÖSE C.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- III. **A Novel Method for Selecting Region of Interest in Color Retinal Fundus Images**
YAVUZ Z., KÖSE C.
XX. Biyomedikal Mühendisliği Ulusal Toplantısı (Uluslararası Katılımlı), İzmir, Turkey, 3 - 05 November 2016, vol.1, pp.96-99
- IV. **Retinal Fundus Image Registration using Bifurcation and Crossover Points**
YAVUZ Z., KÖSE C.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1485-1488
- V. **Retinal Blood Vessel Extraction using image enhancement and modified Fuzzy C means Clustering**
YAVUZ Z., KÖSE C.
The 4. the International Fuzzy System Symposium, 11 - 13 November 2015
- VI. **Retinal Blood Vessel Extraction using image enhancement and Fuzzy C-means Clustering**
YAVUZ Z., KÖSE C.
The 4th International Fuzzy Systems Symposium, İstanbul, Turkey, 5 - 06 November 2015, vol.1, no.1, pp.255-259
- VII. **The Perceptions of Students in the Special Education and Rehabilitation Centre about Mathlife**
Atalay H., COŞTU S., ARSLAN S., ÇAKIROĞLU O., Baran B., YILDIZ A., Cesur B., YAVUZ Z., Abdüsselam M. S., Seymen Z., et al.
6th World Conference on Learning, Teaching and Educational Leadship, Paris, France, 29 - 31 October 2015, vol.1, no.1, pp.137

- VIII. **Vessel Segmentation in Retinal Images using Multiscale Image Enhancement and Clustering**
YAVUZ Z., KÖSE C.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Malatya, Turkey, 16 - 19 May 2015, vol.1, pp.581-584
- IX. **Vessel Segmentation in Retinal Images using Multiscale Image Enhancement and Clustering**
YAVUZ Z., KÖSE C.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.581-584
- X. **Retina Görüntüsünden İyileştirme Yöntemlerine Dayalı Kan Damarı Bölütleme**
YAVUZ Z., KÖSE C.
IEEE 22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, 2014., Turkey, 24 April 2014
- XI. **Blood Vessel Segmentation from Retinal Images based on Enhancement Methods**
YAVUZ Z., KÖSE C.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.907-910
- XII. **Bulanık C-Kümeleme Algoritması ile Retinal Kan Damarı Bölütleme**
YAVUZ Z., KÖSE C.
Elektrik-Elektronik ve Bilgisayar Sempozyumu, ELECO 2012, Bursa, Turkey, 29 November - 01 December 2012, vol.1, pp.562-566
- XIII. **Retinal blood vessel segmentation using gabor filter and top-hat transform**
YAVUZ Z., KÖSE C.
Signal Processing and Communications Applications (SIU), 2011 IEEE 19th Conference on, Antalya, Turkey, 20 - 22 April 2011, vol.1, pp.546-549
- XIV. **Comparing 2D matched filter response and Gabor filter methods for vessel segmentation in retinal images**
YAVUZ Z., KÖSE C.
Electrical, Electronics and Computer Engineering (ELECO), 2010 National Conference on, Bursa, Turkey, 2 - 04 December 2010, vol.1, pp.648-652
- XV. **Comparing 2D Matched Filter Response and Gabor Filter Methods for Vessel Segmentation in Retinal Images--Retinal Kan Damarlarının Bölütlenmesi için İki Boyutlu Karşılaştırma Süzgeci Tepkisi ve Gabor Süzgeci Metotlarının Karşılaştırılması**
YAVUZ Z., KÖSE C.
ELECO 2010, Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, 2-5 Aralık 2010, Bursa 2010., Turkey, 2 - 05 December 2010
- XVI. **Retinal Kan Damarlarının Bölütlenmesi için İki Boyutlu Karşılaştırma Süzgeci Tepkisi ve Gabor Süzgeci Metodlarının Karşılaştırılması**
YAVUZ Z., KÖSE C.
Elektrik-Elektronik ve Bilgisayar Sempozyumu, ELECO 2010, Bursa, Turkey, 2 - 05 December 2010, pp.648-652
- XVII. **(Retinal Blood Vessels for the segmentation Two-Dimensional Comparison of Filter Response and Gabor Filter Method**
YAVUZ Z., KÖSE C.
Electrical-Electronics and Computer Engineering Symposium, Bursa, Turkey, 2 - 05 November 2010, vol.1, no.1, pp.1-4
- XVIII. **A SIMPLE ANALYTIC APPROACH FOR TRACKING RETINAL VESSELS AND MEASURING THEIR DIAMETERS**
YAVUZ Z., İKİBAŞ C., KÖSE C.
1st International Conference on Bioinformatics (BIOINFORMATICS 2010), Valencia, Spain, 20 - 23 January 2010, pp.13-18
- XIX. **COMPARING THE RESULTS OF STATISTICS AND REGION GROWING SEGMENTATION METHODS FOR AGE-RELATED MACULA DEGENERATION IN RETINA**
ŞEVİK U., KÖSE C., ERDÖL H., YAVUZ Z., İKİBAŞ C.
5. Uluslararası İleri Teknolojiler Sempozyumu, IATS'09, 2009., Turkey, 13 - 15 June 2009

- XX. **A METHOD FOR AUTOMATIC OPTIC DISC EXTRACTION IN RETINAL FUNDUS IMAGES**
YAVUZ Z., ŞEVİK U., İKİBAŞ C., KÖSE C.
5. Uluslararası İleri Teknolojiler Sempozyumu, IATS'09, 2009., Turkey, 13 - 15 June 2009
- XXI. **Retinal Görüntülerde Optik Diskin Otomatik Olarak Çıkarılması İçin Bir Yöntem**
YAVUZ Z., İkibas C., ŞEVİK U., KÖSE C.
5th International Advanced Technologies Symposium, Karabük, Turkey, 13 - 15 May 2009, pp.8
- XXII. **Retinadaki Yaşa Bağlı Makula Dejenerasyonunun (YBMD), İstatistiksel ve Bölge Büyütme Yöntemleri ile Bölütleme Sonuçlarının Karşılaştırılması**
ŞEVİK U., KÖSE C., ERDÖL H., YAVUZ Z., İkibas C.
5th International Advanced Technologies Symposium, Karabük, Turkey, 13 - 15 May 2009, pp.7-9
- XXIII. **Automatic Lipreading with Principle Component Analysis**
YAVUZ Z., NABİYE V.
PCI2008 - Problems of Cybernetics and Information, Baku, Azerbaijan, 10 - 12 September 2008, vol.1, pp.143-146
- XXIV. **A Heuristic Approach to Automatic Lip-reading**
YAVUZ Z., NABİYE V.
6-th International Conference on INFORMATION Technologies & Telecommunication IT&TC, Gence, Azerbaijan, 4 - 06 October 2007, vol.1, pp.47-58
- XXV. **Automatic lipreading**
YAVUZ Z., NABIYEV V.
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.1216-1219
- XXVI. **Vucut Dilinin Bilgisayarda Yorumlanması ve Bilgisayarlı Dudak Okuma**
NABİYE V., YAVUZ Z.
4. Uluslararası İleri Teknolojiler Sempozyumu, Konya, Turkey, 6 - 09 September 2005, vol.1, pp.232-238

Metrics

Publication: 30

Citation (WoS): 43

Citation (Scopus): 68

H-Index (WoS): 3

H-Index (Scopus): 4