

Lect. PhD HÜSEYİN GÜNDÜZ

Personal Information

Email: huseyingunduz@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/huseyingunduz>

International Researcher IDs

ScholarID: 7oRbcqUAAAAJ

ORCID: 0000-0002-6680-6109

Publons / Web Of Science ResearcherID: HIR-5967-2022

ScopusID: 46061140300

Yoksis Researcher ID: 53317

Education Information

Undergraduate, Anadolu University, EDEBİYAT FAKÜLTESİ, FELSEFE BÖLÜMÜ, Turkey 2022 - Continues

Doctorate, Eskişehir Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2011 - 2022

Postgraduate, Eskişehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2007 - 2010

Undergraduate, Anadolu University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Automated Segmentation and Classification of Diatoms in Digital Images, Eskişehir Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022

Postgraduate, Altuzay temelli yaklaşımlar kullanarak gerçek zamanlı yüz tanıma, Eskişehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2010

Research Areas

Computer Vision, Computer Learning, Pattern Recognition and Image Processing, Neural Networks, Software Engineering

Academic Titles / Tasks

Lecturer PhD, Anadolu University, REKTÖRLÜK, ENFORMATİK BÖLÜMÜ, 2010 - Continues

Courses

WEB SUNUCU PROGRAMLAMA, Associate Degree, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A lightweight convolutional neural network (CNN) model for diatom classification: DiatomNet**
Gündüz H., Gunal S.
PEERJ COMPUTER SCIENCE, no.0, 2024 (SCI-Expanded)
- II. **Segmentation of diatoms using edge detection and deep learning**
GÜNDÜZ H., Solak C. N., Günal S.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.30, no.6, pp.2268-2285, 2022 (SCI-Expanded)
- III. **On circular traffic sign detection and recognition**
KAPLAN BERKAYA S., GÜNDÜZ H., ÖZŞEN Ö., Akinlar C., GÜNAL S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.48, pp.67-75, 2016 (SCI-Expanded)

Books & Book Chapters

- I. **A Quantitative Assessment of Edge Preserving Smoothing Filters for Edge Detection**
GÜNDÜZ H., TOPAL C., AKINLAR C.
in: Recent Developments and the New Direction in Soft-Computing Foundations and Applications, Lotfi A. Zadeh, Ronald R. Yager, Shahnaz N. Shahbazova, Marek Z. Reformat, Vladik Kreinovich, Editor, Springer, pp.411-418, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Topluluk Derin Öğrenmesini Kullanarak Bitki Hastalıkları Sınıflandırması**
GÜNDÜZ H., YILMAZ GÜNDÜZ S.
SİU 2022 Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Safranbolu, Turkey, 15 - 18 May 2022
- II. **A Quantitative Assessment of Edge Preserving Smoothing Filters for Edge Detection**
GÜNDÜZ H., TOPAL C., AKINLAR C.
6th World Conference on Soft Computing, California, United States Of America, 22 - 25 May 2016, vol.361, pp.411-418
- III. **Circular Traffic Sign Recognition empowered by Circle Detection Algorithm**
GÜNDÜZ H., KAPLAN BERKAYA S., GÜNAL S., Akinlar C.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- IV. **Comparisons of features for automatic eye and mouth localization**
ÇEVİKALP H., YAVUZ H. S., EDİZKAN R., GÜNDÜZ H., KANDEMİR C. M.
Innovations in Intelligent Systems and Applications (INISTA), 15 - 18 June 2011

Supported Projects

Yılmaz Gündüz S., Gündüz H., Project Supported by Higher Education Institutions, Derin Öğrenme Tekniklerini Kullanarak Bitki Hastalıkları Sınıflandırması, 2022 - 2023
Güenal S., Akinlar C., Özşen Ö., Kaplan Berkaya S., Gündüz H., Project Supported by Higher Education Institutions, Otomatik Trafik İşareti Tespit ve Tanıma Sistemi, 2013 - 2014
Edizkan R., Çevikalp H., Kandemir C. M., Yavuz H. S., Gündüz H., Project Supported by Higher Education Institutions, Görünüş Tabanlı Yüz Tanıma Yöntemleri Kullanarak Zaman-Devamlılık Yönetim Sistemi Tasarımı, 2009 - 2011

Scientific Refereeing

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2023

Gümüşhane Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2023

Hittite Journal of Science and Engineering, National Scientific Refreed Journal, April 2023

CHAOS THEORY AND APPLICATIONS, National Scientific Refreed Journal, March 2023

TURKISH ONLINE JOURNAL OF DISTANCE EDUCATION, National Scientific Refreed Journal, January 2023