

Asst. Prof. İsmail CANTÜRK

Personal Information

Office Phone: [+90 212 383 5908](tel:+902123835908)

Email: icanturk@yildiz.edu.tr

Web: <http://avesis.yildiz.edu.tr/icanturk/>

Address: icanturk@yildiz.edu.tr

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 2012 - 2017

Post Graduate, Yıldız Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 2010 - 2012

Under Graduate, Eskişehir Osmangazi Üniversitesi, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2005 - 2010

Research Areas

Biomedical Engineering, Biomedical Image Processing, Biosignal Processing, Biosignal Processing, Electrical and Electronics Engineering, Electronic, Electronic Circuits, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Yıldız Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, 2017 - Continues

Research Assistant, Yıldız Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, 2012 - 2017

Courses

Electronic Circuits 1, Under Graduate, 2019 - 2020

Elektronik Devreler 1 Laboratuvarı, Under Graduate, 2018 - 2019, 2019 - 2020

Tasarım Projesi, Under Graduate, 2019 - 2020

Elektronik ve Haberleşme Mühendisliğine Giriş, Under Graduate, 2018 - 2019, 2019 - 2020

Bitime Çalışması, Under Graduate, 2019 - 2020

Elektronik Devreler 1, Under Graduate, 2018 - 2019

İleri Elektronik Uygulamaları, Under Graduate, 2019 - 2020

Basic Electronic Circuits, Under Graduate, 2017 - 2018

Yarıiletken Fiziği, Under Graduate, 2017 - 2018

İleri Elektronik Uygulamaları, Under Graduate, 2017 - 2018

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

- I. **Augmented Reality Based Simulation of Some Basic Electrical Circuits Which Requires Oscilloscope for Analysis without Hardware**
Özüağ M., Cantürk İ., Özyılmaz L.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.29, pp.1-11, 2020 (Journal Indexed in SCI Expanded)
- II. **Fuzzy recurrence plot-based analysis of dynamic and static spiral tests of Parkinson's disease patients**
Cantürk İ.
Neural Computing & Applications, vol.2020, pp.1-12, 2020 (Journal Indexed in SCI Expanded)
- III. **A computational approach to estimate postmortem interval using opacity development of eye for human subjects**
CANTÜRK İ., ÖZYILMAZ L.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.98, pp.93-99, 2018 (Journal Indexed in SCI)
- IV. **Investigation of opacity development in the human eye for estimation of the postmortem interval**
CANTÜRK İ., çelik S., şahin M. F. , Yagmur F., Kara S., Karabiber F.
BIOCYBERNETICS AND BIOMEDICAL ENGINEERING, vol.37, pp.559-565, 2017 (Journal Indexed in SCI)
- V. **A Machine Learning System for the Diagnosis of Parkinson's Disease from Speech Signals and Its Application to Multiple Speech Signal Types**
CANTÜRK İ., Karabiber F.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.41, pp.5049-5059, 2016 (Journal Indexed in SCI)
- VI. **An experimental evaluation of electrical skin conductivity changes in postmortem interval and its assessment for time of death estimation**
CANTÜRK İ., Karabiber F., Celik S., Sahin M. F. , Yagmur F., Kara S.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.69, pp.92-96, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Parkinson Hastalığının Derecesi ile Yürüyüş Değişkenliği Arasındaki İlişkinin Bulanık Tekrarlılık Grafiğine Göre Araştırılması**
Cantürk İ.
Avrupa Bilim ve Teknoloji Dergisi, vol.19, pp.410-419, 2020 (Other Refereed National Journals)
- II. **DNA Microarray Gene Expression Data Classification Using SVM, MLP, and RF with Feature Selection Methods Relief and LASSO**
GÜÇKIRAN K., CANTÜRK İ., ÖZYILMAZ L.
Sakarya University Journal of Science, vol.23, pp.115-121, 2019 (National Refereed University Journal)
- III. **A New Perspective to Electrical Circuit Simulation with Augmented Reality**
ÖZÜAĞ M., CANTÜRK İ., ÖZYILMAZ L.
International Journal of Electrical and Electronic Engineering & Telecommunications, 2019 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Performance comparison of shallow and deep CNNs for diagnosis of Parkinson's disease from gait variability**
Cantürk İ.
8th International Scientific Research Congress - Science and Engineering , Çorum, Turkey, 22 - 23 August 2020, pp.183-187
- II. **Bootloader design for an STM32 MCU over Ethernet by using TFTP protocol**
Cantürk B., Cantürk İ., Özyılmaz L.

3rd International Congress of Academic Research, Bolu, Turkey, 20 - 22 July 2020, pp.668-672

III. Gray Level Co-Occurrence Matrix Utilization for Predicting Severity of Parkinson's Disease from Gait Variability Based on Gender

Cantürk İ.

IV. International Congress on New Trends in Science, Engineering and Technology, Sankt-Peterburg, Russia, 7 - 09 July 2020, pp.85-89

IV. Investigation Of Bone Age Assessment With Convolutional Neural Network By Using Dog Filtering And À Trous Wavelet As Preprocessing Techniques

ASAD M. N., CANTÜRK İ., GENÇ F., ÖZYILMAZ L.

6th International Conference on Control Engineering & Information Technology, İstanbul, Turkey, 25 October 2018

V. A Deep Learning-Cnn Based System For Medical Diagnosis: An Application On Parkinson'S Disease Handwriting Drawings

KHATAMINO P., CANTÜRK İ., ÖZYILMAZ L.

6th International Conference on Control Engineering & Information Technology, İstanbul, Turkey, 25 October 2018

VI. Comparative Analog Circuit Design Automation Based on Multi Objective Evolutionary Algorithms an Application on CMOS Opamp

CANTÜRK İ., KAHRAMAN N.

2015 38th International Conference on Telecommunications and Signal Processing (TSP), 9 - 11 July 2015

Supported Projects

CANTÜRK İ., Project Supported by Higher Education Institutions, Parkinson hastalarının yürüyüş değişkenliklerinden hastalığın şiddetinin cinsiyete göre tahmin edilebilirliğinin araştırılması, 2020 - Continues

Cantürk İ., Kara S., Project Supported by Higher Education Institutions, Postmortem sürece yönelik ön çalışma, 2014 - 2015

Scientific Refereeing

Current Signal Transduction Therapy, Other Indexed Journal, October 2018

International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, SCI Journal, March 2018

IEEE Access, SCI Journal, August 2017

Journal of Forensic Science & Criminology, Other Indexed Journal, April 2017

Citations

Total Citations (WOS):21

h-index (WOS):3