

Asst. Prof. EYÜP EMRE ÜLKÜ

Personal Information

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International Researcher IDs

ScholarID: [kqfR_dEAAAAJ](https://orcid.org/0000-0002-1985-6461)

ORCID: 0000-0002-1985-6461

Publons / Web Of Science ResearcherID: AAA-2207-2019

ScopusID: 56039324100

Yoksis Researcher ID: 23483

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Computer Engineering, Turkey 2012 - 2018

Undergraduate, Yıldız Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey 2013 - 2016

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar-Kontrol Eğitimi (YI) (Tezli), Turkey 2009 - 2012

Undergraduate, Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey 2004 - 2009

Biography

Dr. Eyup Emre Ulku is an Assistant Professor in the Department of Computer Engineering at Marmara University, Turkey. He completed his Ph.D. in Computer Engineering at Marmara University in 2018.

His research interests include wireless communications, ad hoc networks, image processing and educational technologies in engineering education.

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ÇOKLU JETON DOLAŞIMI İLE UÇAN TASARSIZ AĞLAR İÇERİSİNDE BİLGİ ALIŞVERİŞİ, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar Mühendisliği (Dr), 2018

Postgraduate, 3 boyutlu görüntülerden beyin tümörlerinin bilgisayar destekli tespiti, Marmara Üniversitesi, Institute for

Graduate Studies in Pure and Applied Sciences, Bilgisayar-Kontrol Eğitimi (YL) (Tezli), 2012

Research Areas

Computer Sciences, Information Security and Reliability, Computer Networks, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Technology, Computer Engineering, 2020 - Continues

Research Assistant PhD, Marmara University, Faculty of Technology, Computer Engineering, 2018 - 2020

Research Assistant, Marmara University, Faculty of Technology, Computer Engineering, 2012 - 2018

Research Assistant, Marmara University, Faculty of Technical Education, Electronic and Computer Education, 2009 - 2012

Courses

Nesne Yönelimli Programlama, Undergraduate, 2019 - 2020

Computer Programming for Industrial Engineering, Undergraduate, 2019 - 2020

İşletim Sistemleri, Undergraduate, 2019 - 2020

Algoritma ve Programlamaya Giriş, Undergraduate, 2019 - 2020

Bilgisayar Programlama 1, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **du-CBA: Data-agnostic and incremental classification-based association rules extraction architecture**
du-CBA: Veriden habersiz ve artirimli siniflandirmaya dayali birliktelik kurallari cikarma mimarisi
BÜYÜKTANIR B., YILDIZ K., ÜLKÜ E. E., Bütüktanir T.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.3, pp.1919-1929, 2023 (SCI-Expanded)
- II. **The Role of the Maker Movement in Engineering Education: Student Views on Key Issues of Makerspace Environment**
DOĞAN B., DOĞAN B., ÜLKÜ E. E., BAŞ A., ERDAL H.
INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.36, no.4, pp.1161-1169, 2020 (SCI-Expanded)
- III. **Sharing Location Information in Multi-UAV Systems by Common Channel Multi-Token Circulation Method in FANETs**
ÜLKÜ E. E., DOĞAN B., DEMİR Ö., Bekmezci I.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.25, no.1, pp.66-71, 2019 (SCI-Expanded)
- IV. **Applying social networks to engineering education**
DOĞAN B., DEMİR Ö., ÜLKÜ E. E.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.26, no.5, pp.1782-1791, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **QUANTUM KEY DISTRIBUTION IN SMART HOME SYSTEMS**
Dere N., ULKU E. E.
KSÜ Mühendislik Bilimleri Dergisi, vol.26, no.4, pp.932-942, 2023 (Peer-Reviewed Journal)

- II. **Analysis and Comparison of Business Intelligence Tools Most Preferred by Companies in Turkey**
ÖZDEMİR M., YILDIZ K., ÜLKÜ E. E.
Balkan Journal of Electrical and Computer Engineering, vol.11, 2023 (Peer-Reviewed Journal)
- III. **Raspbraille: Conversion to Braille Alphabet with Optical Character Recognition and Voice Recognition Algorithm**
DALIP F., YILDIZ K., ÜLKÜ E. E., BÜYÜKTANIR B.
Hittite Journal of Science and Engineering, vol.9, pp.253-261, 2022 (Peer-Reviewed Journal)
- IV. **Classification of Hazelnuts with CNN based Deep Learning System**
GÜNEŞ E., ÜLKÜ E. E., YILDIZ K.
Selcuk University Journal of Engineering Sciences (SUJES), vol.21, no.3, pp.111-120, 2022 (Peer-Reviewed Journal)
- V. **A Review on Machine Learning Techniques Used in VANET and FANET Networks**
Muti S., ÜLKÜ E. E.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.9, no.2, pp.1160-1175, 2022 (Peer-Reviewed Journal)
- VI. **Use of PID control during Education in Reinforcement Learning on Two Wheel Balance Robot**
ATAÇ E., YILDIZ K., ÜLKÜ E. E.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.9, pp.597-607, 2021 (Peer-Reviewed Journal)
- VII. **AN ANALYSIS OF THE SELF EFFICACY ABOUT COMPUTER PROGRAMMING OF THE ELECTRICAL-ELECTRONICS AND TEXTILE ENGINEERING STUDENTS IN TECHNOLOGY FACULTY**
ÜLKÜ E. E., DOĞAN B., DEMİR Ö., YILDIZ K.
Journal of Educational Instructional Studies in the World, vol.7, pp.79-84, 2017 (Peer-Reviewed Journal)
- VIII. **Data collection from blood glucose meter and determination anomaly**
BULDU A., YILDIZ K., ÜLKÜ E. E., DEMİR Ö., KURGAN U.
Karaelmas Fen ve Mühendislik Dergisi, 2017 (Peer-Reviewed Journal)
- IX. **Mühendislik Eğitiminde Edmodo Çevrimiçi Sosyal Ağ Ortamının Kullanımına. İlişkin Öğrenci Görüşleri**
Doğan B., Demir Ö., Bal A., Ülkü E. E.
Eğitim ve Öğretim Araştırmaları Dergisi, vol.6, pp.328-335, 2017 (Peer-Reviewed Journal)
- X. **Fault detection of fabrics using image processing methods**
YILDIZ K., DEMİR Ö., ÜLKÜ E. E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.23, no.7, pp.841-844, 2017 (ESCI)
- XI. **Multi Token Based Location Sharing for Multi UAVSystems**
ÜLKÜ E. E., BEKMEZCİ İ.
International Journal of Computer and Electrical Engineering (IJCEE), vol.8, pp.197-206, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Forecasting Greenhouse Gas Emissions Based on Different Machine Learning Algorithms**
ÜLKÜ İ., ÜLKÜ E. E.
in: Lecture Notes in Networks and Systems, , Editor, Springer, Cham, pp.109-116, 2022
- II. **Knowledge Management Strategies for Higher Education**
Çalış B., Doğan B., Yıldız K., Baş A., Demir Ö., Ülkü E. E.
in: Enhancing Academic Research and Higher Education With Knowledge Management Principles, Suzanne Zyngier, Editor, IGI GLOBAL, Sydney, pp.1-10, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **A Performance Way Comparison of Docker Swarm and Kubernetes**

Yurtsever O., ÜLKÜ E. E.

International Conference on Engineering Technologies 2022 (ICENTE'2022), Konya, Turkey, 17 November 2022

II. Detection of Suspicious Activities on Windows Systems with Log Analysis

Öztürk A., ÜLKÜ E. E.

International Conference on Engineering Technologies 2022 (ICENTE'2022), Konya, Turkey, 17 November 2022

III. YAZILIM GELİŞTİRME PROJELERİNDE FARKLI KONUMLARDA ÇALIŞMANIN ETKİLERİ

Şahin Aktaş H., ÜLKÜ E. E., DOĞAN B.

2. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 17 June 2022

IV. Forecasting Greenhouse Gas Emissions Based on Different Machine Learning Algorithms

Ulku I., ÜLKÜ E. E.

International Conference on Intelligent and Fuzzy Systems, INFUS 2022, İzmir, Turkey, 19 - 21 July 2022, vol.505

LNNS, pp.109-116

V. NFT-based Asset Management System

Abaci I., ÜLKÜ E. E.

6th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2022, Ankara,

Turkey, 20 - 22 October 2022, pp.697-701

VI. Computer Vision Based Intelligent 3D CNC Machines

DEMİR E., YILDIZ K., DEMİR Ö., ÜLKÜ E. E.

ASYU - Akıllı Sistemlerde Yenilikler ve Uygulamaları 2020, İstanbul, Turkey, 15 - 17 October 2020

VII. Optimization of Multi-token Circulation with Master UAV Method in Multi-UAV Systems for Location Information Sharing

ÜLKÜ E. E., ÜLKÜ İ.

The 11th International Conference on Ubiquitous and Future Networks, Zagreb, Croatia, 2 - 05 July 2019

VIII. Sharing Location Information in Multi-UAV Systems by Common Channel Multi-token Circulation Method in FANETS

ÜLKÜ E. E., DOĞAN B., DEMİR Ö., BEKMEZCİ İ.

22nd International Conference ELECTRONICS 2018, Palang, Bangladesh, 18 - 20 June 2018

IX. Nature Discovery with Virtual Reality

BAL A., AKTAŞ A., ÜLKÜ E. E.

ULUSLARARASI ÇOCUK ve BİLGİ GÜVENLİĞİ KONGRESİ, Ankara, Turkey, 11 - 13 April 2018

X. Görüntülerden Yaya Tespitinin Yönlü Gradyan Histogramı Temelli Bir Yöntem ile Gerçekleştirilmesi

DEMİR Ö., YILDIZ K., ÜLKÜ E. E., BAL A.

1. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, 7 - 10 December 2017

XI. Morfolojik İşlemlerle Trafik İşareti Tespiti

DEMİR Ö., DOĞAN B., ÜLKÜ E. E., BAL A.

1.ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 December 2017

XII. AN ANALYSIS OF THE SELF EFFICACY ABOUT COMPUTER PROGRAMMING OF THE ELECTRICAL-ELECTRONICS AND TEXTILE ENGINEERING STUDENTS IN TECHNOLOGY FACULTY

ÜLKÜ E. E., DOĞAN B., DEMİR Ö., YILDIZ K.

6th World Congress on Educational and Instructional Studies-WCEIS 2017, 26 - 28 October 2017

XIII. Mühendislik Eğitiminde Edmodo Çevrimiçi Sosyal Ağ Ortamının Kullanımına. İlişkin Öğrenci Görüşleri

DOĞAN B., DEMİR Ö., BAL A., ÜLKÜ E. E.

2'nci Yaşam Boyu Eğitim Dünya Kongres, 14 - 15 April 2017

XIV. Multi Token Circulation in a Common Channel for Location Information Sharing in Multi UAV Systems

ÜLKÜ E. E., BEKMEZCİ İ.

2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016

XV. New Generation Wireless Microcontroller Based Measurement System

BÖCEKÇİ V. G., ÜLKÜ E. E.

2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016

XVI. **Multi Token Based Location Information Sharing for Multi UAV Systems**

ÜLKÜ E. E., BEKMEZCİ İ.

2nd International Conference on Computer and Information Technologies, İstanbul, Turkey, 11 - 12 April 2016

XVII. **Location Information Sharing with Multi TokenCirculation in Flying Ad Hoc Networks**

BEKMEZCİ İ., ÜLKÜ E. E.

Recent Advances in Space Technologies (RAST), 16 - 19 June 2015

XVIII. **Görüntü İşleme ile Lif Çapı Ölçümü**

ÜLKÜ E. E., DEMİR Ö., YILDIZ K., YILDIZ Z.

Signal Processing and Communications Applications Conference (SIU), Turkey, 16 - 19 May 2015

XIX. **Çoklu İHA Sistemleri İçin Çoklu Jeton Dolaşımı**

ÜLKÜ E. E., İLKER B.

Signal Processing and Communications Applications Conference (SIU), Turkey, 16 - 19 May 2015

XX. **COMPUTER AIDED BRAIN TUMOR DETECTION WITH HISTOGRAM EQUALIZATION AND MORPHOLOGICAL IMAGE PROCESSING TECHNIQUES**

ÜLKÜ E. E., Camurcu A. Y.

10th International Conference on Electronics, Computer and Computation (ICECCO), Ankara, Turkey, 7 - 09 November 2013, pp.48-51

Supported Projects

Çalış Uslu B., Demir Ö., Doğan B., Yıldız K., Baş A., Ülkü E. E., Newton Programme Project, Location optimisation of underground and aboveground containers and development of a dynamic, intelligent and sustainable scheduling for solid waste collection in urban areas: A case study of Maltepe Municipality, 2020 - 2021

Yıldız K., Ülkü E. E., Buldu A., Erdal H., Demir Ö., Doğan B., Bal A., Project Supported by Higher Education Institutions, Gömülü Sistemler Laboratuvarı ve Altyapı Projesi, 2017 - 2018

Buldu A., Doğan B., Yıldız K., Demir Ö., Bal A., Kaptan H., Ülkü E. E., Project Supported by Higher Education Institutions, BİLGİSAYARLA GÖRME LABORATUVARI ARAŞTIRMA VE GELİŞTİRME ALTYAPI PROJESİ, 2015 - 2016

Metrics

Publication: 38

Citation (WoS): 24

Citation (Scopus): 23

H-Index (WoS): 4

H-Index (Scopus): 3