

## Asst. Prof. EYÜP EMRE ÜLKÜ

### Personal Information

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### 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,  
Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2018

Postgraduate, 3 boyutlu görüntülerden beyin tümörlerinin bilgisayar destekli tespiti, Marmara Üniversitesi, Fen Bilimleri  
Enstitüsü, Bilgisayar-Kontrol Eğitimi (YI) (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

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (Refereed Journals of Other Institutions)
- II. **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 (Refereed Journals of Other Institutions)
- III. **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 (Other Refereed National Journals)
- IV. **Fault detection of fabrics using image processing methods**  
YILDIZ K., DEMİR Ö., ÜLKÜ E. E.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK

BILIMLERİ DERGİSİ, vol.23, no.7, pp.841-844, 2017 (Journal Indexed in ESCI)

**V. Multi Token Based Location Sharing for Multi UAV Systems**

ÜLKÜ E. E. , BEKMEZCİ İ.

International Journal of Computer and Electrical Engineering (IJCEE), vol.8, pp.197-206, 2016 (Refereed Journals of Other Institutions)

## Books & Book Chapters

**I. 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. 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

**II. 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

**III. 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

**IV. Nature Discovery with Virtual Reality**

BAL A., AKTAŞ A., ÜLKÜ E. E.

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

**V. 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

**VI. 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

**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.

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

**VIII. 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

**IX. 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

**X. 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

**XI. 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

**XII. 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

**XIII. 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

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

ÜLKÜ E. E. , İLKER B.

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

**XV. 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