

Asst. Prof. BANU ULU

Personal Information

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Address: Kayseri Üniversitesi Mühendislik, Mimarlık ve Tasarım Fakültesi Yazılım Mühendisliği Bölümü Bölüm Başkanlığı, Kayseri

International Researcher IDs

ORCID: 0000-0002-3593-0756

Publons / Web Of Science ResearcherID: DYK-6998-2022

ScopusID: 57203166178

Yoksis Researcher ID: 361182

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2016 - 2021

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2013 - 2016

Undergraduate, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2009 - 2013

Research Areas

Computer Sciences, Computer Vision, Computer Learning, Evolutionary Computing, Pattern Recognition and Image Processing, Neural Networks, Software Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Yazılım Mühendisliği Bölümü, 2022 - Continues

Academic and Administrative Experience

Assistant Director of the Institute, Kayseri University, Lisansüstü Eğitim Enstitüsü, 2023 - Continues

Deputy Head of Department, Kayseri University, Mühendislik Mimarlık ve Tasarım Fakültesi, Yazılım Mühendisliği, 2022 - Continues

Courses

Görsel Programlama, Undergraduate, 2023 - 2024

Programlama-II, Undergraduate, 2023 - 2024

İletişim ve Sunum Teknikleri, Undergraduate, 2023 - 2024

Programlama-I, Undergraduate, 2023 - 2024

Programlama II, Undergraduate, 2022 - 2023

İnternet Programcılığı II, Associate Degree, 2021 - 2022
Programlama I, Undergraduate, 2022 - 2023
Temel Bilgi Teknolojileri II, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Tuning the Proportional–Integral–Derivative Control Parameters of Unmanned Aerial Vehicles Using Artificial Neural Networks for Point-to-Point Trajectory Approach**
Ulu B., Savaş S., Ergin Ö. F., Ulu B., Kırnay A., Bingöl M. S., Yıldırım Ş.
SENSORS, vol.24, no.9, pp.1-18, 2024 (SCI-Expanded)
- II. **Deep learning for load balancing of SDN-based data center networks**
BABAYİĞİT B., ULU B.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.34, no.7, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Survey Studies of Software-Defined Networking: A Systematic Review and Meta-analysis**
Babayiğit B., Ulu B., Abubaker M.
ENGINEERING JOURNAL (Bangkok), vol.27, no.10, pp.33-66, 2023 (ESCI)
- II. **A High Available Multi-Controller Structure for SDN and Placement of Multi-Controllers of SDN with Optimized K-means Algorithm**
Babayiğit B., Ulu B.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.4, pp.2456-2466, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **OYUN GELİŞTİRME - DİJİTAL OYUN VE E-SPOR**
Ulu B.
in: BİLGİSAYAR BİLİMLERİNDE GÜNCEL KONULAR, Dr. Nuh AZGINOĞLU, Editor, Nobel Yayınevi, Ankara, pp.147-171, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Solving Multi-Controller Placement Problem in Soft with A Genetic Algorithm**
BABAYİĞİT B., Ulu B., Hascokadar E. N.
4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.666-670
- II. **Load Balancing on Software Defined Networks**
BABAYİĞİT B., Ulu B.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.419-422
- III. **An Implementation of Software Defined Network with Raspberry Pi**
BABAYİĞİT B., Karakaya S., Ulu B.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

Supported Projects

Ulu B., TUBITAK Project, Derin Öğrenme Tabanlı Otonom Bölgesel Pülverizasyon Sistemi Tasarımı, 2024 - 2027

ULU B., ÇETİN N., Project Supported by Higher Education Institutions, Kurutulmuş Meyvelerin Kurutma tekniklerine Göre Derin Öğrenme ve Bilgisayarlı Görü Yardımıyla Sınıflandırılması ve Tahminlenmesi, 2022 - 2024

Ulu B., Babayiğit B., Project Supported by Higher Education Institutions, Yeni Nesil Ağ Modellerinin Büyük Veri Ağ Mimarileri Üzerinde Gerçekleştirilmesi, 2018 - 2021

Metrics

Publication: 8

Citation (WoS): 10

Citation (Scopus): 11

H-Index (WoS): 2

H-Index (Scopus): 2

Scholarships

2211-C Öncelikli Alanlar Doktora Burs Programı, TUBITAK, 2018 - 2021

YOK 100/2000 Öncelikli Alanlar Doktora Burs Programı, YOK, 2017 - 2021