

Asst. Prof. MUHAMMED MUTLU YAPICI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAF-8827-2020

ScopusID: 57207684876

Yoksis Researcher ID: 32180

Biography

Dr. M. Mutlu YAPICI received the Master's degree in Computer and Electronic Education from Informatics Institute, Gazi University, Turkey in 2012. He received his Ph.D. Degree in Computer Engineering Department, Gazi University. In between 2022-2023, he worked as an Academic researcher in School of Computing at Newcastle University and studied on deep learning methods and its application on medical image. He is working as a lecturer at the Computer Technologies Department, Ankara University, Turkey. His main research area includes Artificial Intelligence, Machine Learning, Deep Learning, Computer vision, Image Processing and their applications on signature verification, medical images and object recognition.

Education Information

Post Doctorate, University of Newcastle Upon Tyne, Faculty of Science, Agriculture and Engineering, School of Computing, England 2022 - 2023

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2013 - 2020

Undergraduate, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2013 - 2016

Postgraduate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi (YI) (Tezli), Turkey 2010 - 2012

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 2007 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Derin öğrenmeye dayalı bir imza doğrulama yönteminin geliştirilmesi, Gazi University, Kore Dili ve Edebiyatı Anabilim Dalı, Bilgisayar Mühendisliği (Dr), 2020

Postgraduate, Genetik algoritma kullanılarak ders çizelgeleme yazılımının geliştirilmesi, Gazi University, Yabancı Diller

Yüksekokulu (Pasif), Elektronik Ve Bilgisayar Eğitimi (YL) (Tezli), 2012

Research Areas

Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Pattern Recognition and Image Processing, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Ankara University, Elmadağ Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2023 - Continues
Lecturer, University of Newcastle Upon Tyne, School of Computing, School of Computing, 2022 - 2023
Lecturer PhD, Ankara University, Elmadağ Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2013 - 2022

Courses

Web Design II , Associate Degree, 2022 - 2023
OFİS PROGRAMLAR II , Associate Degree, 2022 - 2023
İşletmede Mesleki Eğitim , Associate Degree, 2022 - 2023
Sistem Analizi Ve Tasarımı II , Associate Degree, 2022 - 2023
Programing I, Associate Degree, 2022 - 2023
Web Design II , Associate Degree, 2022 - 2023
Sistem Analizi Ve Tasarımı II , Associate Degree, 2022 - 2023
Programing I , Associate Degree, 2022 - 2023
Web Design II , Associate Degree, 2022 - 2023
Programing I , Associate Degree, 2022 - 2023
Algoritma Ve Programlama , Associate Degree, 2022 - 2023
WEB PROGRAMLAMA I, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
WEB PROGRAMLAMA I , Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018
WEB TASARIMIN TEMELLERİ, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Web Programlama I, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Web Tasarım Temelleri , Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Web Tasarım Temelleri , Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018
EBP203 SİSTEM ANALİZİ VE TASARIMI I, Associate Degree, 2016 - 2017
EBT113 PROGRAMLAMA TEMELLERİ, Associate Degree, 2015 - 2016, 2014 - 2015
EBT118 GRAFİK VE ANİMASYON II, Associate Degree, 2015 - 2016, 2014 - 2015
EBT115 WEB TASARIMIN TEMELLERİ, Associate Degree, 2015 - 2016, 2014 - 2015
EBT114 GÖRSEL PROGRAMLAMA I, Associate Degree, 2015 - 2016
EBT116 WEB EDİTÖRÜ, Associate Degree, 2014 - 2015
Bilgisayar Büro Programları, Associate Degree, 2013 - 2014
Teknoloji Kullanımı, Associate Degree, 2013 - 2014
Grafik ve Animasyon 2, Associate Degree, 2013 - 2014
Web Editörü, Associate Degree, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Deep Learning Using Preoperative Optical Coherence Tomography Images to Predict Visual Acuity

Following Surgery for Idiopathic Full-Thickness Macular Holes

Kucukgoz B., YAPICI M. M., Murphy D. C., Spowart E., Steel D. H., Obara B.
IEEE Access, vol.12, pp.32911-32926, 2024 (SCI-Expanded)

- II. **Real-time detection of acromegaly from facial images with artificial intelligence**
Kizilgul M., KARAKIŞ R., Dogan N., Bostan H., YAPICI M. M., Gul U., Ucan B., Duman E., Duger H., Cakal E., et al.
European journal of endocrinology, vol.188, no.1, 2023 (SCI-Expanded)
- III. **Improving Brain Tumor Classification with Deep Learning Using Synthetic Data**
YAPICI M. M., KARAKIŞ R., GÜRKAHRAMAN K.
Computers, Materials and Continua, vol.74, no.3, pp.5049-5067, 2023 (SCI-Expanded)
- IV. **A novel malware classification and augmentation model based on convolutional neural network**
TEKEREK A., YAPICI M. M.
Computers and Security, vol.112, 2022 (SCI-Expanded)
- V. **Deep learning-based data augmentation method and signature verification system for offline handwritten signature**
YAPICI M. M., TEKEREK A., TOPALOĞLU N.
PATTERN ANALYSIS AND APPLICATIONS, vol.24, no.1, pp.165-179, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Performance comparison of deep learning frameworks**
Yapıcı M. M., Topaloğlu N.
Computers and Informatics, vol.1, no.1, pp.1-5, 2021 (Peer-Reviewed Journal)
- II. **Derin Öğrenme Araştırma Alanlarının Literatür Taraması**
YAPICI M. M., TEKEREK A., TOPALOĞLU N.
Gazi Journal of Engineering Sciences, vol.5, no.3, pp.188-215, 2019 (Peer-Reviewed Journal)
- III. **Genetic Algorithm Based Timetabling Program**
YAPICI M. M., BAY Ö. F.
Artificial Intelligence Studies, vol.2, no.2, pp.20-31, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **LOJİSTİK REGRESYON MODELİ**
YAPICI M. M.
in: TEORİ VE UYGULAMADA MAKİNE ÖĞRENMESİ, Savaş Serkan, Buyrukoğlu Selim, Editor, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK TİC. LTD. ŞTİ., Ankara, pp.37-59, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **DEVELOPING A DESKTOP APPLICATION FOR REAL TIME DETECTION OF ACROMEGALY FROM FACIAL IMAGES WITH ARTIFICIAL INTELLIGENCE**
ÖZEL M., DOĞAN N., KARAKIŞ R., KIZILGÜL M., YAPICI M. M., DUMAN E.
International Conference on Engineering Technologies (ICENTE'23), Konya, Turkey, 23 November 2023, pp.71-73
- II. **Evaluation of 2D and 3D Deep Learning Approaches For Predicting Visual Acuity Following Surgery for Idiopathic Full-Thickness Macular Holes In Spectral Domain Optical Coherence Tomography Images**
Kucukgoz B., Yapici M. M., Steel D. H., Obara B.
2023 International Symposium on Image and Signal Processing and Analysis (ISPA), Rome, Italy, 18 - 19 September 2023, pp.1-6

- III. **Real-time detection of Acromegaly from facial images with artificial intelligence**
KIZILGÜL M., DOĞAN N., GÜL Ü., YAPICI M. M., BOSTAN H., DUMAN E., UÇAN B., KARAKIŞ R., DÜĞER H., AKIN Ö., et al.
20th Congress of the European NeuroEndocrine Association, Lyon, France, 7 - 10 September 2022
- IV. **Yapay zekâ ile yüz görüntülerinden akromegali hastalığının gerçek zamanlı olarak tespiti**
KIZILGÜL M., DOĞAN N., GÜL Ü., YAPICI M. M., BOSTAN H., DUMAN E., UÇAN B., KARAKIŞ R., DÜĞER H., AKIN Ö., et al.
43. Türkiye Endokrinoloji ve Metabolizma Hastalıkları Kongresi, Antalya, Turkey, 18 - 22 May 2022, pp.164-165
- V. **Malware Classification Using Convolutional Neural Network**
Yapıcı M. M., Tekerek A., Ayaz Z.
Interdisciplinary Conference on Mechanics, Computers and Electrics, Ankara, Türkiye, 27 Kasım 2021 , Ankara, Turkey, 27 - 28 November 2021, vol.1, no.1, pp.1
- VI. **Performance Comparison of Convolutional Neural Network Models on GPU**
YAPICI M. M., TEKEREK A., TOPALOĞLU N.
13th IEEE International Conference on Application of Information and Communication Technologies (AICT), Baku, Azerbaijan, 23 - 25 October 2019, pp.164-167
- VII. **Convolutional Neural Network Based Offline Signature Verification Application**
YAPICI M. M., TEKEREK A., TOPALOĞLU N.
International Congress on Big Data, Deep Learning and Fighting Cyber Terrorism (IBIGDELFT), Ankara, Turkey, 3 - 04 December 2018, pp.30-34
- VIII. **Turkish Speech Recognizing Voice Control Of Television**
YAPICI M. M., YALÇIN N.
Procedia Information Technology & Computer Science, Turkey, 15 June 2013
- IX. **Computer Control Software for Impaired People With Voice Commands**
YALÇIN N., YAPICI M. M.
AwerProcedia Information Technology&Computer Science, Turkey, 15 - 22 June 2012

Metrics

Publication: 18
Citation (WoS): 49
Citation (Scopus): 77
H-Index (WoS): 5
H-Index (Scopus): 4

Scholarships

International Postdoctoral Research Fellowship Program for Turkish Citizens, University, 2022 - 2023