

Res. Asst. AHMET DEMİR

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2022 - Continues

Postgraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2018 - 2021

Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2012 - 2018

Foreign Languages

English, C1 Advanced

French, B1 Intermediate

Certificates, Courses and Trainings

IT, Python Programlama Kampı, Türk Hava Kurumu Üniversitesi, 2022

Dissertations

Postgraduate, Uzun Mesafeli Aktarım İçin Görüntü Sıkıştırma, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, 2021

Research Areas

Computer Vision, Computer Learning, Pattern Recognition and Image Processing, Neural Networks, Programming Languages, Biomedical Image Processing

Academic Titles / Tasks

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Are deep learning classification results obtained on CT scans fair and interpretable?**
Ashames M. M. A., DEMİR A., Gerek O. N., Fidan M., GÜLMEZOĞLU M. B., ERGİN S., EDİZKAN R., Koc M., Barkana A., Calisir C.
PHYSICAL AND ENGINEERING SCIENCES IN MEDICINE, 2024 (SCI-Expanded)
- II. **Neural network representations for the inter- and intra-class common vector classifiers**
EDİZKAN R., Barkana A., Koc M., GÜLMEZOĞLU M. B., Ashames M. M., ERGİN S., Fidan M., DEMİR A., Calisir C., Gerek O. N.
Digital Signal Processing: A Review Journal, vol.142, 2023 (SCI-Expanded)

Books & Book Chapters

- I. **Transfer learning for renewable energy: fine-tuning and domain adaptation**
Demir A., Najafi A., Acaroğlu H.
in: Computer Vision and Machine Intelligence for Renewable Energy Systems, Ashutosh Kumar Dubey, Abhishek Kumar, Umesh Chandra Pati, Fausto Pedro Garcia Marquez, Vicente García-Díaz, Arun Lal Srivastava, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.250-270, 2024

Refereed Congress / Symposium Publications in Proceedings

- I. **REAL TIME COMPRESSED UAV VIDEO TRANSMISSION BY USING HACKRF ONE**
Demir A., Çevikalp H.
ICAT 2022, İstanbul, Turkey, 25 - 27 November 2022, pp.268-271
- II. **Performance Comparison of Digital Modulation Schemes on Real-Time Video Transmission**
Demir A., Çevikalp H.
ICAT 2022, İstanbul, Turkey, 25 - 27 November 2022, pp.145-148
- III. **High resolution video transmission using GNU radio and USRP GNU radio ve USRP kullanarak yüksek çözünürlüklü video aktarımı**
DEMİR A., ÇEVİKALP H.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021
- IV. **Inception-ResNet-v2 with Leakyrelu and Averagepooling for More Reliable and Accurate Classification of Chest X-ray Images**
DEMİR A., YILMAZ F.
2020 Medical Technologies Congress (TIPTEKNO), Antalya, Turkey, 19 - 20 November 2020
- V. **Cutting Effect on Classification Using Nasnet Architecture**
DEMİR A., YILMAZ F.
2020 Medical Technologies Congress (TIPTEKNO), Antalya, Turkey, 19 - 20 November 2020
- VI. **Comparison of Two Different Deep Learning Architectures on Breast Cancer**
YILMAZ F., Kose O., Demir A.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.521-524
- VII. **Early Detection of Skin Cancer Using Deep Learning Architectures: Resnet-101 and Inception-v3**
Demir A., Yilmaz F., Kose O.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.533-536

Supported Projects

Çevikalp H., Demir A., Project Supported by Higher Education Institutions, İnsansız Hava Araçları ile Sınır Güvenlik Kontrolü, 2020 - 2022

Metrics

Publication: 10

Citation (WoS): 50

Citation (Scopus): 144

H-Index (WoS): 2

H-Index (Scopus): 3

Awards

Demir A., Bölüm Birinciliği, Eskişehir Osmangazi Üniversitesi, September 2018